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CARRIER CORPORATION
THOMPSON ROAD FACILITY
CARRIER PARKWAY
SYRACUSE, NEW YORK

FORMER BUILDING TR-1 FLOOR DRAIN INVESTIGATION

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

Prepared for:

United Technologies

UTC Shared Remediation Services
United Technologies Building
Hartford, Connecticut 06101

Prepared by:

ENSAFE
220 Athens Way, Suite 410
Nashville, Tennessee 37228
615.255.9300/1.800.588.7962
www.ensafe.com

EnSafe Project Number: 0888814332

March 2014

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FLOOR DRAIN INVESTIGATION

CARRIER CORPORATION
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220 Athens Way, Suite 410
Nashville, Tennessee 37228
615.255.9300/800.588.7962
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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 former Building TR-1 Floor Drain sub-slab investigation was to assess the extent of polychlorinated bi-phenyl (PCB) and/or volatile organic compound (VOC) contamination in soil and/or groundwater around the Floor Drain area of former Building TR-1; to identify the presence of non-aqueous phase liquid (NAPL); and, if present, delineate the extent of NAPL.

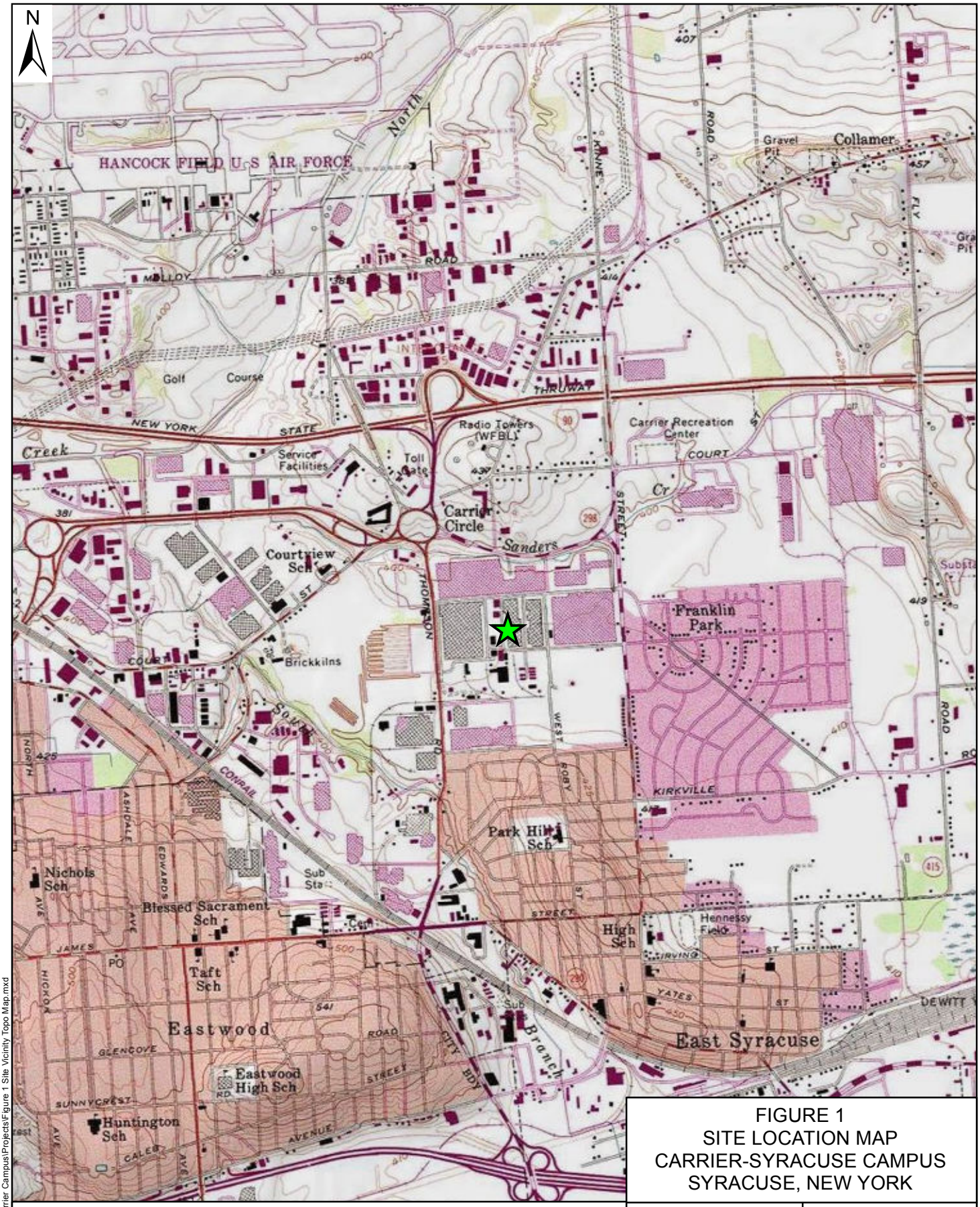

FIGURE 1
SITE LOCATION MAP
CARRIER-SYRACUSE CAMPUS
SYRACUSE, NEW YORK

Legend

★ SITE LOCATION

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

Basemap Source: USGS Godwin, Tennessee Quadrangle Topographic Map
http://services.arcgisonline.com/arcgis/services/USA_Topo_Maps

REQUESTED BY: S. Goodnight	
DRAWN BY: N. Rinehart	
DATE: 02/14/2014	
PROJECT NO: 0888814331	

ENSAFE
(615) 255-9300
WWW.ENSAFE.COM
NASHVILLE, TN

X:\UTC\Syracuse\Carrier Campus\Projects\Figure 1 Site Vicinity Topo Map.mxd

2.0 BACKGROUND

Historical operations in former Building TR-1 include the use of transformers containing PCBs as well as degreasers containing chlorinated solvents; therefore, NYSDEC requested a sub-slab investigation be conducted. The resultant investigation activities were conducted during January and February 2011. Findings of the *Building TR-1 Sub-Slab Investigation Report* prepared by EnSafe in October 2011, identified three areas warranting further investigation: the Floor Drain area at building column D2 (Floor Drain), the former degreaser at building column lines C and D (Degreaser C/D), and a former electrical sub-station (Sub-Station I). Based on findings from 2011 sub-slab investigation activities, Carrier elected to conduct additional subsurface investigations at all three areas. The layout of the Site, including the former Building TR-1 footprint and the location of the Floor Drain, Degreaser C/D, and Sub-Station I investigation areas, is depicted on Figure 2. A fourth investigation area, former Building TR-1 Vault, is also depicted. Investigation activities and findings for the vault area are detailed in a separate report — *Former Building TR-1 Vault Investigation Report* prepared by EnSafe in February 2014.

The 2011 sub-slab investigation focused soil borings and temporary monitoring wells, along the length of the Floor Drain which extended from column line A to column line M (Figure 3). No PCBs were detected in soil samples from the soil borings advanced; however, laboratory analytical results yielded several VOC detections in a soil sample from location SS@D2. Five additional soil borings were advanced proximal to soil boring SS@D2 and converted to temporary monitoring wells. Trichloroethene (TCE) was detected in groundwater samples from each of the five locations at concentrations ranging from 4,580 to 76,500 micrograms per liter (µg/L). According to the 2011 *Building TR-1 Sub-Slab Investigation Report*, TCE concentrations were indicative of a potential source area. NAPL was not encountered during 2011 former Building TR-1 sub-slab investigation activities at the Floor Drain area.

Building TR-1 was demolished in 2010 and 2011 as part of a Basin 002 storm water management consolidation project. The concrete slab was left in place, and an engineered cover was installed atop as a storm water control system to divert storm water runoff to a newly constructed outfall — Outfall 004.

In 2012, a large amount of oil/oil emulsion accumulated in a storm water pumping station (PS2) located north of former Building TR-1, which pumps storm water to the on-site treatment system prior to being discharged to Sanders Creek under a State Pollutant Discharge Elimination System (SPDES) permit. Pumping station PS2 receives storm water, in part, from drains and storm sewer utility lines beneath former Building TR-1. A May 2013 video inspection of the storm sewer utilities leading to PS2 confirmed the presence of oil in a manhole immediately down gradient of storm lines beneath the western half of former Building TR-1.

FIGURE 2
FORMER BUILDING TR-1
2013 INVESTIGATION AREAS MAP
CARRIER CORPORATION THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

REQUESTED BY:	S. Goodnight
DRAWN BY:	S. Goodnight
DATE:	2/14/2014
PROJECT NO:	0888814331

ENSAFE
1-800-588-7962
WWW.ENSAFE.COM
MEMPHIS, TENNESSEE

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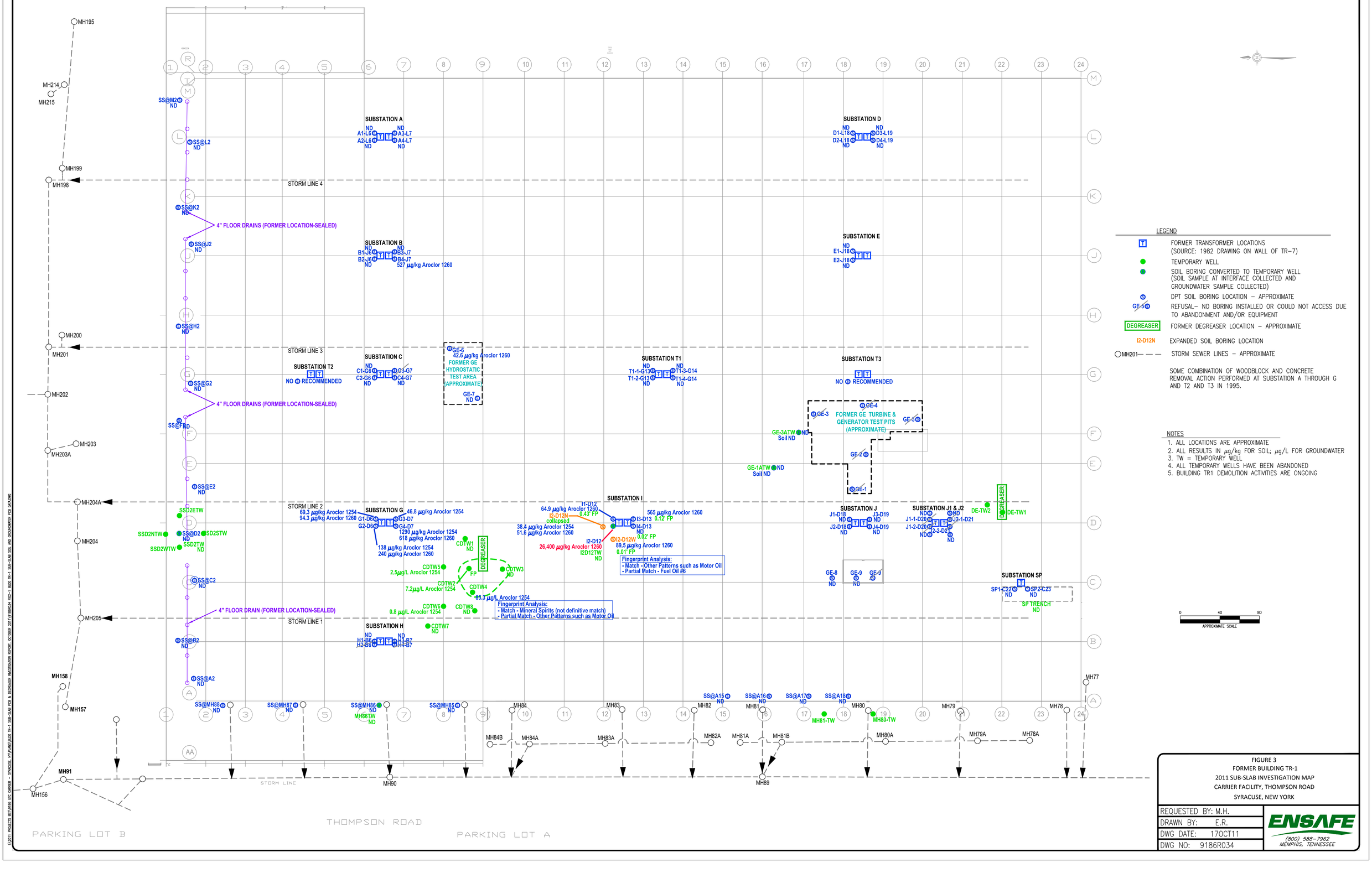


FIGURE 3
FORMER BUILDING TR-1
2011 SUB-SLAB INVESTIGATION MAP
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY:	M.H.
DRAWN BY:	E.R.
DWG DATE:	17OCT11
DWG NO:	9186R034

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE

L:\2011 PROJECTS BY\9186 UTC CARRIER - SYRACUSE, NY\FIGURES\BLDG TR-1 SUB-SLAB POD & DEGREASER INVESTIGATION REPORT, OCTOBER 2011\9186R034 FIG1-1 BLDG TR-1 SUB-SLAB SOIL AND GROUNDWATER PCB DATA.DWG

3.0 SCOPE OF WORK

3.1 Proposed Scope of Work

EnSafe, on behalf of Carrier, prepared and submitted a *Former Building TR-1 Sub-Slab Investigation Work Plan* (EnSafe, August 9, 2013) to NYSDEC detailing objectives and strategies for sub-slab investigation at the Floor Drain, Degreaser C/D, and Sub-Station I areas which included preliminary assessment of the extent of soil and/or groundwater PCB and/or VOC contamination, and, if encountered, delineation of NAPL.

The August 2013 work plan was verbally approved by NYSDEC during a conference call on October 8, 2013. Notification of scheduled field activities was provided to NYSDEC in a letter dated October 1, 2013, and former Building TR-1 Floor Drain investigation activities were initiated on October 11, 2013. All fieldwork was conducted in general accordance with the approved work plan.

Former Building TR-1 Floor Drain sub-slab investigation activities were conducted simultaneously with the Degreaser C/D and Sub-Station I investigations during October and November 2013. Activities and findings for the Floor Drain area are discussed herein, while Degreaser C/D and Sub-Station I sub-slab investigation activities and findings are discussed in a separate report — *Former Building TR-1 Degreaser C/D and Sub-Station I Investigation Report* prepared by EnSafe in February 2014.

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 installation activities in general accordance with the August 2013 *Former Building TR-1 Sub-Slab Investigation Work Plan* submitted to NYSDEC. Figure 4 depicts the Floor Drain area and proposed sampling locations from the August 2013 work plan.

As proposed, nine soil borings were advanced and converted to monitoring wells from October 11 to 25, 2013. Table 1 lists soil boring and sampling details as well as the monitoring well type at each location. Soil boring/monitoring well locations for sub-slab investigations at the Floor Drain area, as well as the Degreaser C/D and Sub-Station I areas, are depicted on Figure 5.

Table 1
Former Building TR-1 Floor Drain Area Sampling Locations – October 2013

Boring Identification	Soil Boring Total Depth (feet bgs)	Soil Sample Interval (feet bgs)	Monitoring Well Installed	Monitoring Well Total Depth (feet bgs)
MW36	16	7 to 9	Recovery Well (4" Shallow)	21
MW37	16	9 to 11	Monitoring Well (2" Shallow)	21
MW38	15	Not Sampled*	Monitoring Well (2" Shallow)	15
MW39	16	9 to 11	Monitoring Well (2" Shallow)	21
MW40D	44	4 to 6	Monitoring Well (2" Deep)	44
FDPZ01	16	9 to 11	Piezometer (1" Shallow)	21
FDPZ02	16	11 to 13	Piezometer (1" Shallow)	21
FDPZ03	16	9 to 11	Piezometer (1" Shallow)	16
FDPZ04	16	9 to 11	Piezometer (1" Shallow)	16

Notes:
*MW38 was co-located with MW40D; therefore, no sample was submitted for laboratory analysis.
bgs = below ground surface

Table 2 summarizes the details of soil sampling and drilling equipment and methods, and the installation procedures for the various types and diameters of monitoring wells. Soil borings and monitoring wells were installed in three general steps:

1. A protective polyvinyl chloride (PVC) casing was installed through the engineered cap to maintain bore-hole integrity during soil sampling activities.

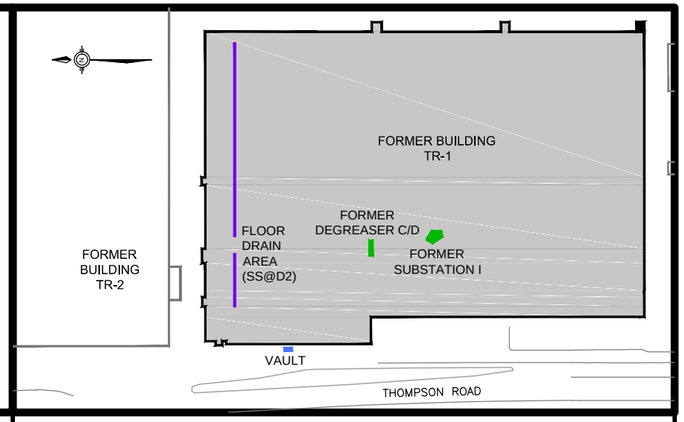
2. Soil borings were advanced through the concrete slab to the desired depth using direct-push technology (DPT).

3. PVC piezometers and monitoring wells of varying diameters were installed using equipment and methods described in Table 2.

LEGEND

- 1" DIAMETER PIEZOMETER
- 2" DIAMETER MONITORING WELL
- 4" DIAMETER MONITORING WELL
- 2" DEEP AQUIFER MONITORING WELL
- FORMER TRANSFORMER LOCATIONS (SOURCE: 1982 DRAWING ON WALL OF TR-7)
- TEMPORARY WELL (2011)
- SOIL BORING CONVERTED TO TEMPORARY WELL (SOIL SAMPLE AT INTERFACE COLLECTED AND GROUNDWATER SAMPLE COLLECTED – 2011)
- DPT SOIL BORING LOCATION – APPROXIMATE (2011)
- I2-D12N EXPANDED SOIL BORING LOCATION (2011)
- DEGREASER FORMER DEGREASER LOCATION – APPROXIMATE
- MH201 STORM SEWER LINES – APPROXIMATE
- 4" FLOOR DRAINS (FORMER LOCATION–SEALED) – APPROXIMATE
- INTERIM ACTION 2011

FORMER TR-1 AREA REFERENCE MAP



FLOOR DRAIN AREA
DEGREASER C/D
SUBSTATION I
STORM LINE 2
STORM LINE 1
STORM LINE
MH200
MH201
MH202
MH203
MH203A
MH204A
MH204
MH205
MH158
MH157
MH91
MH156
MH90
MH86TW
MH84
MH84B
MH84A
MH83A
MW-6
MW-19
MW38
MW40D
MW39
MW37
MW36
MW33
MW32
MW31
MW35D
MW34
MW30
MW29
MW28
MW25
MW26
MW27
FDPZ01
FDPZ02
FDPZ03
FDPZ04
SS@D2
SSD2ETW
SSD2STW
SSD2NTW
SSD2TW
SSD2WTW
DCDPZ01
DCDPZ02
DCDPZ03
DCDPZ04
CDTW1
CDTW2
CDTW3
CDTW4
CDTW5
CDTW6
CDTW7
CDTW8
I1-D12
I2-D12N
I2-D12
I2D12TW
I2-D12W
I3-D13
I4-D13
SSIPZ01
SSIPZ02
SSIPZ03
SSIPZ04
A
AA
B
C
D
1
2
3
4
5
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14
FORMER VAULT (INVESTIGATION WORKPLAN SUBMITTED SEPARATELY TO NYSDEC ON JUNE 13, 2013
DRAFT PRELIMINARY
THOMPSON ROAD
APPROXIMATE SCALE 0 30 60

FIGURE 4
FORMER BUILDING TR-1
2013 SUB-SLAB INVESTIGATION
PROPOSED SAMPLING LOCATIONS
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY:	S.G.
DRAWN BY:	J.L.
DWG DATE:	07/25/13
DWG NO:	9186 TR01

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FIGURE 5
FORMER BUILDING TR-1 FLOOR DRAIN
INVESTIGATION SAMPLE LOCATIONS MAP
CARRIER CORPORATION THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

REQUESTED BY:	S. Goodnight
DRAWN BY:	S. Goodnight
DATE:	2/14/2014
PROJECT NO:	0888814331

ENSAFE
1-800-588-7962
WWW.ENSAFE.COM
MEMPHIS, TENNESSEE

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Table 2
Summary of Drilling Methods at Former Building TR-1 Floor Drain Area

Protective Casing Installation		
Drilling Method	**Casing Diameter (Inch)**	**Purpose**
4.25-inch ID HSAs	3	Penetrate EC to install 3-inch PVC Casing at 1-inch piezometer points
4.25-inch ID HSAs	4	Penetrate EC to install 4-inch PVC Casing at 2-inch Type II well points
6.25-inch ID HSAs	6	Penetrate EC to install 6-inch PVC Casing at 4-inch Type II well points
6.25-inch ID HSAs	6	Penetrate EC to install 6-inch PVC Casing at 4-inch conductor casing at Type III well point
HQ Core Barrel (3-inch ID)	3	Install PVC Casing into EC for 1-inch well
PQ Core Barrel (4-inch ID)	4	Install PVC Casing into EC for 2-inch well
Spin-shoe and steel drill pipe (6-inch ID)	6	Install 4-inch PVC (Type II) Recovery Well
Spin-shoe and steel drill pipe (6-inch ID)	6	Install 4-inch steel conductor casing (Type III Well)
Soil Sampling		
Drilling Method	**Casing Diameter (Inches)**	**Purpose**
DPT Geoprobe® DT-22 (2.25-inch OD)	NA	Soil Sampling 1.375 inch soil core
Split-Spoon	NA	24-inch split-spoon sampler driven 30 inches with 140 Lbs hammer
Monitoring Well Installation		
Drilling Method	**Casing Diameter (Inches)**	**Purpose**
DPT Geoprobe® DT-22 (2.25-inch OD)	1	Install 1-inch PVC Type II Piezometer
Spin-shoe and steel drill pipe (6-inch ID)	2	Install 2-inch PVC Type II well
Spin-shoe and steel drill pipe (6-inch ID)	4	Install 4-inch PVC Type II recovery well
Spin-shoe and steel drill pipe (6-inch ID)	4	Install 4-inch Steel Conductor Casing (Type III)
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
EC – Engineered Cover
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

Protective Casing

Special precautions were taken to preserve the integrity of the engineered cover and concrete slab. Soil borings and monitoring wells were initiated by advancing hollow-stem augers (HSA) to the top of the concrete floor with a Central Mine Equipment (CME) truck-mounted drilling rig. The HSA was then used as a temporary casing so a hole could be cut through the concrete slab with a core barrel or steel drill pipe with a cutting head (spin-shoe) inserted through the annulus of the HSA. The required diameter of PVC pipe (Table 2) was installed into the cut hole and the sub-slab base materials, and then sealed and secured in place using bentonite chips. Protective casings were not installed at monitoring wells MW38 and MW40D or piezometers FDPZ02 and FDPZ04 because they were located outside of the former Building TR-1 concrete slab footprint.

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 the 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 identified with a unique sample ID 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 via U.S. EPA Methods 8260/5035, semi-volatile organic compounds (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 Installation

Monitoring wells were installed with either a DPT rig (piezometers) or a CME truck-mounted drilling rig using the spin-and-wash method (monitoring and recovery wells). Well construction and finishing details are depicted on boring logs provided in Appendix A.

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 piezometer depth. PVC piezometer well pipe was inserted into the annulus of the drill string, typically including a 15-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 0.5 feet from the base of the former building TR-1 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 below the bottom of the concrete slab to the ground surface to ensure integrity of the engineered cap and concrete slab.

Monitoring wells and recovery wells were installed with a CME truck-mounted 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 and staged on-site for management by Carrier. The minimal amount of potable water was used to complete this process. Once the casing annulus was cleared, PVC monitoring well pipe was installed, typically including a 15-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. 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 below the bottom of the concrete slab to the ground surface to ensure integrity of the engineered cap and concrete slab.

Monitoring well MW40D, installed outside of the engineered cover area and into the deep groundwater aquifer, required the installation of a conductor casing to prevent the downward movement of shallow groundwater to the deeper zone. The conductor casing was installed by advancing a 4.25-inch HSA to approximately 23 feet bgs – into the upper portion of a glacial till layer consisting of dense clayey silt. The steel casing was installed through the annulus of the HSA and grouted in place using a cement-bentonite grout tremied through the annular space between the HSA and steel conductor casing. The cement-grout was allowed to cure for a minimum of

24-hours, at which time, the remainder of the boring was advanced using fluid-rotary with a 4-inch tri-cone bit and potable water as a drilling fluid. Soil samples for lithological classification were collected at 5-foot intervals using a 24-inch carbon steel split-spoon sampler driven by a 140-pound hammer. A shale marker bed was encountered at 44 feet bgs, and a 2-inch diameter PVC monitoring well was installed through the borehole annulus, including a 15-foot section of 0.01-inch slot monitoring well screen and an appropriate length of PVC casing riser. A 20/24 filter sand pack was tremied around the well screen to a minimum of 2 feet above the top of the monitoring well screen. A bentonite seal was emplaced a minimum of 2 feet above the top of the filter pack, and the remainder of the borehole was grouted to the surface using a cement-bentonite grout.

Groundwater

EnSafe developed monitoring wells MW36 through MW40D and FDPZ01 through FDPZ04 from October 16 to November 6, 2013. Recovery wells (4-inch diameter) and monitoring wells (2-inch diameter) were developed using an electrical submersible pump connected to 0.5-inch inside diameter polypropylene tubing. Piezometers (1-inch diameter) were developed 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 October 24 to November 8, 2013. 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 (including several groundwater elevation gauging events from November through December 2013) 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. Groundwater purging 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 a monitoring well purge field form (Appendix C). 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.” Additional

groundwater sample volume was pumped directly into the appropriate laboratory supplied containers via peristaltic pump. 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.

Based on conversations with the Test America project manager, EnSafe was incorrectly informed groundwater samples to be submitted for PCB analysis could be analyzed using low volume samples (i.e., 250-mL containers) instead of submitting two 1-liter containers typically required. TestAmerica was unable to conduct the PCB analysis for low volume samples; therefore, some locations were resampled, in a similar method described above, to obtain the required volume for analysis.

Groundwater samples were analyzed for the following: VOCs via 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), soil in the uppermost 10 to 15 feet interval in the Floor Drain area of former Building TR-1 is generally comprised of brown and light brown fine-grained sands or clayey/silty sands. A glacial till composed of dense clayey silt was encountered at approximately 20 feet bgs at monitoring well MW40D and extended to shale refusal depth at 44 feet bgs. The concrete slab was generally encountered from 3.5 to 5.5 feet bgs. Headspace field screening results during soil sampling activities ranged from 0 to 20.2 ppm. The highest field screening measurement recorded, 20.2 ppm, was observed in soil boring MW36 in the 7 to 8 feet bgs interval. The remaining field screening measurements were considerably lower. No significant odors were noted in soil borings advanced in the Floor Drain area. No free-phase product, or NAPL, was encountered during former building TR-1 Floor Drain investigation activities.

Soil boring and monitoring well logs indicate depth to shallow groundwater ranged from 11 to 12 feet bgs at the time of advancement. Depth to groundwater measurements collected at monitoring wells installed in the Floor Drain area during several gauging events from November through December 2013 (Appendix B) ranged from 7.51 to 14.34 feet bgs. Historically, general groundwater flow direction for the shallow aquifer at the Site is to the west/northwest. Based on review of potentiometric data collected during former building TR-1 Floor Drain investigation activities and subsequent Site-wide gauging events, the historically observed trend of groundwater flowing to the west/northwest was repeated during these events. Potentiometric surface data and groundwater flow trends from three Site-wide gauging events conducted in late 2013 are depicted on Figures 6 through 8.

MW05R
32.36
MW17
27.72
MW21
29.99
MW42
29.09
MW14D
NC
MW14
38.74 (NC)
MW18
28.66
MW11
NM
MW50
32.65
MW43
31.21
MW47
32.77
MW48
32.01
MW46
34.72
MW49
35.62
MW45
35.49
MW44
37.17
MW20
NM
PLR-002
NC
MW41D
NC
PLR-001
NC
MW10
32.99
MW38
33.92
MW06
33.76
FDPZ02
33.73
MW40D
NC
FDPZ04
34.61
MW37
34.31
FDPZ03
34.58
FDPZ01
34.53
MW36
34.41
MW39
34.50
MW19
34.16
MW23
33.48
MW24
34.46
MW35D
NC
MW31
35.10
DCDPZ04
35.32
MW39
35.13
DCDPZ02
35.52
DCDPZ01
38.19
MW34
35.64
MW30
35.76
MW32
36.56
DCDPZ03
35.72
MW26
36.79
SSIPZ04
36.30
SSIPZ03
36.64
MW28
37.40
MW25
36.79
MW29
36.46
SSIPZ01
36.66
MW27
37.01
SSIPZ02
38.73
SSIPZ05
NM
MW03S
36.61
MW03D
NC
MW13D2
NC
MW22D
NC
MW08
NM

Legend

- Monitoring Well (2" Diameter)
- Piezometer (1" Diameter)
- Recovery Well (4" Diameter)
- Deep Well (2" Diameter)

MW31 NAPL Observed At Location

- Potentiometric Surface Contour (ft)
- Sanitary - Manways
- Stormwater Utility
- Former Site Building Footprint
- Stormwater Ponds
- Site Building Footprint

NC - Not Considered for Potentiometric Model
NM - Not Measured During Gauging Event

Aerial Photographic Source:
NYS GIS Clearinghouse
April 2012

0 70 140 210 280 350 Feet

FIGURE 6
POTENTIOMETRIC SURFACE MAP
SHALLOW GROUNDWATER AQUIFER
NOVEMBER 25-26, 2013
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY: S. Goodnight	
DRAWN BY: N. Rinehart	
DATE: 2/6/2014	
PROJECT NO: 0888814332	

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MW05R
32.57

MW17
27.63

MW21
31.35

MW42
29.08

MW14D
NC

MW14
39.31 (NC)

MW18
28.95

MW11
NM

MW50
32.61

MW43
32.03

MW47
33.31

MW48
32.51

MW46
34.79

MW49
35.74

MW44
37.04

MW45
35.04

MW20
NM

PLR-002
NC

MW41D
NC

PLR-001
NC

MW10
33.27

MW38
34.37

MW06
33.98

FDPZ02
34.06

MW40D
NC

FDPZ04
34.89

MW37
34.75

FDPZ03
35.00

FDPZ01
34.84

MW36
34.86

MW39
34.95

MW19
34.77

MW23
33.54

MW24
35.00

MW35D
NC

MW31
35.74

DCDPZ04
35.86

DCDPZ02
35.75

MW39
35.75

DCDPZ01
38.79

MW34
36.09

MW30
36.20

MW32
36.76

DCDPZ03
35.98

MW26
37.14

SSIPZ04
37.20

SSIPZ03
36.87

MW25
37.09

MW28
37.63

MW29
36.81

SSIPZ01
37.00

MW27
37.90

SSIPZ02
37.58

SSIPZ05
39.26

MW03S
36.82

MW03D
NC

MW13D2
NC

MW22D
NC

MW08
NM

28

29

30

31

32

33

34

35

36

37

38

Legend

- Monitoring Well (2" Diameter)
- Piezometer (1" Diameter)
- Recovery Well (4" Diameter)
- Deep Well (2" Diameter)
- **MW25** NAPL Observed At Location
- Potentiometric Surface Contour (ft)
- Sanitary - Manways
- Stormwater Utility
- Former Site Building Footprint
- Stormwater Ponds
- Site Building Footprint

NC - Not Considered for Potentiometric Model
NM - Not Measured During Gauging Event

Aerial Photographic Source:
NYS GIS Clearinghouse
April 2012

0 70 140 210 280 350 Feet

FIGURE 7
POTENTIOMETRIC SURFACE MAP
SHALLOW GROUNDWATER AQUIFER
DECEMBER 9-10, 2013
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY: S. Goodnight	ENSAFE
DRAWN BY: N. Rinehart	
DATE: 2/6/2014	
PROJECT NO: 0888814332	

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MW05R
32.84

MW17
28.27

MW21
32.32

MW42
29.15

MW14D
NC

MW14
32.13 (NC)

MW18
29.39

MW11
NM

MW50
32.76

MW43
32.58

MW47
33.27

MW48
32.88

MW46
34.91

MW49
35.81

MW44
37.13

MW45
35.24

MW20
NM

PLR-002
NC

MW41D
NC

PLR-001
NC

MW10
33.36

MW40D
NC

MW38
34.36

MW06
34.09

FDPZ02
NM

MW37
NM

FDPZ04
35.01

FDPZ03
35.10

FDPZ01
35.08

MW36
34.95

MW39
35.09

MW19
34.94

MW23
33.49 (NC)

MW24
35.05

MW35D
NC

MW31
35.73

DCDPZ04
35.88

MW33
NM

DCDPZ02
35.91

DCDPZ01
39.01 (NC)

MW34
36.15

MW30
36.14

MW32
36.96

DCDPZ03
36.11

MW03S
36.60

MW03D
NC

MW13D2
NC

MW26
37.40

SSIPZ04
36.80

SSIPZ03
37.86

MW28
37.96

MW25
37.42

MW29
37.07

SSIPZ01
37.12

MW27
NM

SSIPZ02
37.81

SSIPZ05
NM

MW22D
NC

MW08
NM

30 31 32 33 34 35 36 37 38 39

Legend

- Monitoring Well (2" Diameter)
- Piezometer (1" Diameter)
- Recovery Well (4" Diameter)
- Deep Well (2" Diameter)
- **MW25** NAPL Observed At Location
- Potentiometric Surface Contour (ft)
- Sanitary - Manways
- Stormwater Utility
- Former Site Building Footprint
- Stormwater Ponds
- Site Building Footprint

NC - Not Considered for Potentiometric Model
NM - Not Measured During Gauging Event

Aerial Photographic Source:
NYS GIS Clearinghouse
April 2012

0 70 140 210 280 350 Feet

FIGURE 8
POTENTIOMETRIC SURFACE MAP
SHALLOW GROUNDWATER AQUIFER
DECEMBER 23-24, 2013
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY: S. Goodnight	ENSAFE
DRAWN BY: N. Rinehart	1-800-588-7962 WWW.ENSAFE.COM MEMPHIS, TENNESSEE
DATE: 2/6/2014	
PROJECT NO: 0888814332	

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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 reported several VOCs, SVOCs, pesticides, PCBs, and metals constituents at concentrations greater than laboratory method detection and/or reporting limits; these concentrations are summarized in Table 3. Table 4 lists analytes for which reported concentrations exceeded their respective screening limits.

Table 3
Laboratory Analytical Detections in Shallow Soil Samples
Former Building TR-1 Floor Drain Investigation
Carrier Corporation Thompson Road Facility
Syracuse, New York

							Floor Drain Area			
						Sample Location:	FDPZ01	FDPZ02	FDPZ03	FDPZ04
						Sample ID:	CARFDPZ01S09	CARFDPZ02S11	CARFDPZ03S09	CARFDPZ04S09
						Sample Date:	10/11/2013	10/11/2013	10/11/2013	10/11/2013
						Sample Type:	Normal	Normal	Normal	Normal
		RESTRICTED USE				**Matrix:**	Soil	Soil	Soil	Soil
Analyte	**UNRESTRICTED (a)**	**COMMERCIAL (b)**	**INDUSTRIAL (c)**	**PROTECTION OF GW (d)**	**PROTECTION OF ECOLOGY (e)**	**Units**				
Volatile Organic Compounds										
1,1,1-Trichloroethane	680	500,000	1,000,000	680		ug/kg	ND	ND	ND	ND
1,1-Dichloroethane	270	240,000	480,000	270		ug/kg	ND	ND	ND	ND
1,2,4-Trichlorobenzene						ug/kg	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	500,000	1,000,000	1,100		ug/kg	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	280,000	560,000	2,400		ug/kg	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	130,000	250,000	1,800	20,000	ug/kg	ND	ND	ND	ND
2-Butanone (MEK)	120	500,000	1,000,000	120	100,000	ug/kg	**130 J ad**	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)						ug/kg	ND	ND	ND	ND
Acetone	50	500,000	1,000,000	50	2,200	ug/kg	ND	ND	5.8 J	ND
Carbon disulfide						ug/kg	ND	ND	ND	ND
Chlorobenzene	1,100	500,000	1,000,000	1,100	40,000	ug/kg	ND	ND	ND	ND
Chloroethane						ug/kg	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	500,000	1,000,000	250		ug/kg	ND	ND	ND	ND
Ethylbenzene	1,000	390,000	780,000	1,000		ug/kg	ND	ND	ND	ND
Methylene chloride	50	500,000	1,000,000	50	12,000	ug/kg	ND	11	7.2	5.7
Styrene						ug/kg	6.2 J	ND	ND	ND
Tetrachloroethene	1,300	150,000	300,000	1,300	2,000	ug/kg	ND	ND	ND	ND
Toluene	700	500,000	1,000,000	700	36,000	ug/kg	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	500,000	1,000,000	190		ug/kg	31 J	2.7 J	1.7 J	0.84 J
Trichloroethene	470	200,000	400,000	470	2,000	ug/kg	**860 ad**	5.1 J	4.1 J	ND
Trichlorofluoromethane						ug/kg	ND	ND	ND	6.4
Vinyl chloride	20	13,000	27,000	20		ug/kg	ND	ND	ND	ND
Xylene (Total)	260	500,000	1,000,000	1,600	260	ug/kg	ND	ND	ND	ND
Semi-volatile Organic Compounds										
2-Methylnaphthalene						ug/kg	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol						ug/kg	ND	ND	ND	ND
4-Chloro-3-methylphenol						ug/kg	ND	ND	ND	ND
Acenaphthene	20,000	500,000	1,000,000	98,000	20,000	ug/kg	ND	ND	ND	ND
Acenaphthylene	100,000	500,000	1,000,000	107,000		ug/kg	ND	ND	ND	ND
Anthracene	100,000	500,000	1,000,000	1,000,000		ug/kg	ND	ND	ND	16
Benzo(a)anthracene	1,000	5,600	11,000	1,000		ug/kg	ND	ND	ND	68
Benzo(a)pyrene	1,000	1,000	1,100	22,000	2,600	ug/kg	ND	ND	ND	66
Benzo(b)fluoranthene	1,000	5,600	11,000	1,700		ug/kg	5.5 J	4.6 J	ND	78
Benzo(g,h,i)perylene	100,000	500,000	1,000,000	1,000,000		ug/kg	ND	ND	ND	36
Benzo(k)fluoranthene	800	56,000	110,000	1,700		ug/kg	ND	ND	ND	36
bis(2-Chloroethyl)ether						ug/kg	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate						ug/kg	84 B	79 J	120 B	64 J
Carbazole						ug/kg	ND	ND	ND	42 J
Chrysene	1,000	56,000	110,000	1,000		ug/kg	ND	ND	ND	83
Di-n-butylphthalate						ug/kg	43 J	110 B	57 J	84 B
Dibenz(a,h)anthracene	330	560	1,100	1,000,000		ug/kg	ND	ND	ND	ND
Dibenzofuran	7,000	350,000	1,000,000	210,000		ug/kg	ND	ND	ND	7.4 J
Fluoranthene	100,000	500,000	1,000,000	1,000,000		ug/kg	4.5 J	8.8	ND	120
Fluorene	30,000	500,000	1,000,000	386,000	30,000	ug/kg	ND	ND	ND	4.3 J
Indeno(1,2,3-cd)pyrene	500	5,600	11,000	8,200		ug/kg	ND	ND	ND	30
Naphthalene	12,000	500,000	1,000,000	12,000		ug/kg	ND	ND	ND	3.9 J
Phenanthrene	100,000	500,000	1,000,000	1,000,000		ug/kg	6 J	ND	ND	86
Phenol	330	500,000	1,000,000	330	30,000	ug/kg	ND	ND	ND	ND
Pyrene	100,000	500,000	1,000,000	1,000,000		ug/kg	5.3 J	6.2 J	ND	100
Pesticides										
Aldrin	5	680	1,400	190	140	ug/kg	ND	ND	ND	ND
alpha-BHC	20	3,400	6,800	20	40	ug/kg	ND	ND	ND	ND
alpha-Chlordane	94	24,000	47,000	2,900	1,300	ug/kg	ND	ND	ND	ND
beta-BHC	36	3,000	14,000	90	600	ug/kg	ND	ND	ND	ND
Dieldrin	5	1,400	2,800	100	6	ug/kg	ND	ND	ND	ND
Endosulfan sulfate	2,400	200,000	920,000	1,000,000		ug/kg	ND	ND	ND	ND
Endrin aldehyde						ug/kg	ND	ND	ND	ND
Methoxychlor						ug/kg	ND	ND	ND	ND
Polychlorinated Bi-phenyls										
Aroclor 1254	100	1,000	25,000	3,200	1,000	ug/kg	ND	ND	ND	ND
Aroclor 1260	100	1,000	25,000	3,200	1,000	ug/kg	ND	ND	ND	ND
RCRA Metals										
Arsenic	13,000	16,000	16,000	16,000	13,000	ug/kg	NA	2,000	2,500	3,200
Barium	350,000	400,000	10,000,000	820,000	433,000	ug/kg	NA	11,000 J	25,000 B	47,000 B
Cadmium	2,500	9,300	60,000	7,500	4,000	ug/kg	NA	ND	42 J	ND
Chromium	30,000	1,500,000	6,800,000		41,000	ug/kg	NA	3,900	5,200	7,700
Lead	63,000	1,000,000	3,900,000	450,000	63,000	ug/kg	NA	2,900	2,900	5,300
Mercury	180	2,800	5,700	730	180	ug/kg	NA	ND	ND	18 J

ND = Non-detect.

NA = Not Analyzed.

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

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

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

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

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

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.

H = Sample was prepped or analyzed beyond the specified holding time.

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Table 3
Laboratory Analytical Detections in Shallow Soil Samples
Former Building TR-1 Floor Drain Investigation
Carrier Corporation Thompson Road Facility
Syracuse, New York

							Floor Drain Area			
						Sample Location:	MW36	MW37	MW39	MW40D
						Sample ID:	CARMW36S07	CARMW37509	CARMW39509	CARMW4QDS04
						Sample Date:	10/15/2013	10/10/2013	10/10/2013	10/11/2013
						Sample Type:	Normal	Normal	Normal	Normal
		RESTRICTED USE				**Matrix:**	Soil	Soil	Soil	Soil
Analyte	**UNRESTRICTED (a)**	**COMMERCIAL (b)**	**INDUSTRIAL (c)**	**PROTECTION OF GW (d)**	**PROTECTION OF ECOLOGY (e)**	**Units**				
Volatile Organic Compounds										
1,1,1-Trichloroethane	680	500,000	1,000,000	680		ug/kg	ND	ND	ND	ND
1,1-Dichloroethane	270	240,000	480,000	270		ug/kg	ND	ND	ND	ND
1,2,4-Trichlorobenzene						ug/kg	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	500,000	1,000,000	1,100		ug/kg	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	280,000	560,000	2,400		ug/kg	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	130,000	250,000	1,800	20,000	ug/kg	ND	ND	ND	ND
2-Butanone (MEK)	120	500,000	1,000,000	120	100,000	ug/kg	99 J	96 J	ND	2.3 J
4-Methyl-2-Pentanone (MIBK)						ug/kg	ND	ND	ND	ND
Acetone	50	500,000	1,000,000	50	2,200	ug/kg	ND	ND	ND	22
Carbon disulfide						ug/kg	ND	ND	ND	ND
Chlorobenzene	1,100	500,000	1,000,000	1,100	40,000	ug/kg	ND	ND	ND	ND
Chloroethane						ug/kg	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	500,000	1,000,000	250		ug/kg	**270 ad**	100 J	1.5 J	ND
Ethylbenzene	1,000	390,000	780,000	1,000		ug/kg	ND	ND	ND	ND
Methylene chloride	50	500,000	1,000,000	50	12,000	ug/kg	ND	ND	5.5	5.5
Styrene						ug/kg	ND	7.2 J	ND	ND
Tetrachloroethene	1,300	150,000	300,000	1,300	2,000	ug/kg	ND	ND	ND	ND
Toluene	700	500,000	1,000,000	700	36,000	ug/kg	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	500,000	1,000,000	190		ug/kg	20 J	39 J	0.88 J	0.97 J
Trichloroethene	470	200,000	400,000	470	2,000	ug/kg	**3,400 ade**	**1,800 ad**	13	0.56 J
Trichlorofluoromethane						ug/kg	ND	ND	ND	ND
Vinyl chloride	20	13,000	27,000	20		ug/kg	ND	ND	ND	ND
Xylene (Total)	260	500,000	1,000,000	1,600	260	ug/kg	ND	ND	ND	ND
Semi-volatile Organic Compounds										
2-Methylnaphthalene						ug/kg	ND	ND	ND	9.9
3-Methylphenol/4-Methylphenol						ug/kg	ND	ND	ND	ND
4-Chloro-3-methylphenol						ug/kg	ND	ND	ND	ND
Acenaphthene	20,000	500,000	1,000,000	98,000	20,000	ug/kg	ND	ND	ND	24
Acenaphthylene	100,000	500,000	1,000,000	107,000		ug/kg	ND	ND	ND	13
Anthracene	100,000	500,000	1,000,000	1,000,000		ug/kg	ND	ND	ND	110
Benzo(a)anthracene	1,000	5,600	11,000	1,000		ug/kg	ND	ND	ND	510
Benzo(a)pyrene	1,000	1,000	1,100	22,000	2,600	ug/kg	ND	ND	ND	480
Benzo(b)fluoranthene	1,000	5,600	11,000	1,700		ug/kg	ND	ND	ND	620
Benzo(g,h,i)perylene	100,000	500,000	1,000,000	1,000,000		ug/kg	ND	ND	ND	300
Benzo(k)fluoranthene	800	56,000	110,000	1,700		ug/kg	ND	ND	ND	250
bis(2-Chloroethyl)ether						ug/kg	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate						ug/kg	28 J	200 B	86 B	69 J
Carbazole						ug/kg	ND	ND	ND	33 J
Chrysene	1,000	56,000	110,000	1,000		ug/kg	ND	ND	ND	530
Di-n-butylphthalate						ug/kg	82 B	55 J	75 J	65 J
Dibenz(a,h)anthracene	330	560	1,100	1,000,000		ug/kg	ND	ND	ND	80
Dibenzofuran	7,000	350,000	1,000,000	210,000		ug/kg	ND	ND	ND	18 J
Fluoranthene	100,000	500,000	1,000,000	1,000,000		ug/kg	ND	ND	ND	980
Fluorene	30,000	500,000	1,000,000	386,000	30,000	ug/kg	ND	ND	ND	33
Indeno(1,2,3-cd)pyrene	500	5,600	11,000	8,200		ug/kg	ND	ND	ND	290
Naphthalene	12,000	500,000	1,000,000	12,000		ug/kg	ND	ND	ND	17
Phenanthrene	100,000	500,000	1,000,000	1,000,000		ug/kg	ND	ND	ND	330
Phenol	330	500,000	1,000,000	330	30,000	ug/kg	ND	ND	ND	ND
Pyrene	100,000	500,000	1,000,000	1,000,000		ug/kg	ND	ND	ND	830
Pesticides										
Aldrin	5	680	1,400	190	140	ug/kg	ND	ND	ND	ND
alpha-BHC	20	3,400	6,800	20	40	ug/kg	ND	0.98 J	ND	ND
alpha-Chlordane	94	24,000	47,000	2,900	1,300	ug/kg	ND	ND	ND	ND
beta-BHC	36	3,000	14,000	90	600	ug/kg	ND	ND	ND	ND
Dieldrin	5	1,400	2,800	100	6	ug/kg	ND	ND	ND	ND
Endosulfan sulfate	2,400	200,000	920,000	1,000,000		ug/kg	ND	ND	ND	ND
Endrin aldehyde						ug/kg	ND	ND	ND	ND
Methoxychlor						ug/kg	ND	ND	ND	ND
Polychlorinated Bi-phenyls										
Aroclor 1254	100	1,000	25,000	3,200	1,000	ug/kg	ND	ND	ND	ND
Aroclor 1260	100	1,000	25,000	3,200	1,000	ug/kg	ND	ND	ND	55
RCRA Metals										
Arsenic	13,000	16,000	16,000	16,000	13,000	ug/kg	3,800	NA	1,800	2,700
Barium	350,000	400,000	10,000,000	820,000	433,000	ug/kg	53,000 B	NA	15,000 J	23,000 B
Cadmium	2,500	9,300	60,000	7,500	4,000	ug/kg	32 J	NA	ND	100 J
Chromium	30,000	1,500,000	6,800,000		41,000	ug/kg	9,400	NA	6,300	7,700
Lead	63,000	1,000,000	3,900,000	450,000	63,000	ug/kg	3,600	NA	2,700	5,100
Mercury	180	2,800	5,700	730	180	ug/kg	ND	NA	ND	27 J

ND = Non-detect.

NA = Not Analyzed.

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

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

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

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

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

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.

H = Sample was prepped or analyzed beyond the specified holding time.

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Table 4
Soil Detections Exceeding
6 NYCRR Part 375 Soil Cleanup Objectives

			Exceeds				
Analyte	**Sample Location**	**Concentration (µg/kg)**	**Unrestricted Use SCO**	**Restricted Use Commercial SCO**	**Restricted Use Industrial SCO**	**Groundwater Protection SCO**	**Ecological Resources Protection SCO**
Volatile Organic Compounds							
2-Butanone (MEK)	FDPZ01	130 J	Yes	No	No	Yes	No
cis-1,2-Dichloroethene	MW36	270	Yes	No	No	Yes	No Standard
Trichloroethene	FDPZ01	860	Yes	No	No	Yes	No
	MW36	3,400	Yes	No	No	Yes	Yes
	MW37	1,800	Yes	No	No	Yes	No
Semi-volatile Organic Compounds							
None							
Pesticides							
None							
Polychlorinated Bi-phenyls							
None							
RCRA Metals							
None							

Notes:
µg/kg = microgram per kilogram.
SCO = 6 NYCRR Part 375 Soil Cleanup Objectives
J = concentration exceeds method detection limit but less than method reporting limit; estimated value.

No other 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 SCO screening limits for Unrestricted Use, Restricted Use Commercial, or Restricted Use Industrial Use soils.

Some reported concentrations 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. 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 3.

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). Detected concentrations reported by the laboratory are summarized in Table 5. Laboratory analytical results for groundwater samples reported several VOCs, SVOCs, pesticides, and metals constituents at concentrations greater than laboratory method detection and/or reporting limits. Table 6 lists analytes for which reported concentrations exceeded their respective screening limits.

Table 5
Laboratory Analytical Detections in Groundwater Samples
Former Building TR-1 Floor Drain Investigation
Carrier Corporation Thompson Road Facility
Syracuse, New York

	Investigation Area:			**Floor Drain Area**			
	Sample Location:		FDPZ01	FDPZ01	FDPZ02	FDPZ02	FDPZ03
	Sample ID:		CARFDPZ01G20131029	CARFDPZ01G20131106	CARFDPZ02G20131030	CARFDPZ02G20131106	CARFDPZ03G20131029
	Sample Date:		10/29/2013	11/06/2013	10/30/2013	11/06/2013	10/29/2013
	Sample Type:		Normal	Normal	Normal	Normal	Normal
	Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**Groundwater Quality Standard (a)**	**Units**					
Volatile Organic Compounds (8260)							
1,1,1-Trichloroethane	5	ug/l	ND	NA	ND	NA	ND
1,1-Dichloroethane	5	ug/l	ND	NA	ND	NA	ND
1,1-Dichloroethene	5	ug/l	ND	NA	ND	NA	ND
1,2,4-Trichlorobenzene	5	ug/l	ND	NA	ND	NA	ND
1,2-Dichlorobenzene	3	ug/l	ND	NA	ND	NA	ND
1,2-Dichloroethane	0.6	ug/l	ND	NA	ND	NA	ND
1,3-Dichlorobenzene	3	ug/l	ND	NA	ND	NA	ND
1,4-Dichlorobenzene	3	ug/l	ND	NA	ND	NA	ND
2-Butanone (MEK)		ug/l	ND	NA	ND	NA	ND
Acetone	50	ug/l	2.3 JB*	NA	4.3 J	NA	ND
Bromodichloromethane		ug/l	ND	NA	ND	NA	ND
Carbon disulfide	60	ug/l	0.19 J	NA	0.3 J	NA	ND
Chlorobenzene	5	ug/l	ND	NA	ND	NA	ND
Chloroethane	5	ug/l	ND	NA	ND	NA	ND
Chloroform	7	ug/l	ND	NA	ND	NA	ND
cis-1,2-Dichloroethene	5	ug/l	0.92 J	NA	2.2	NA	**7.3** a
Dibromochloromethane		ug/l	ND	NA	ND	NA	ND
Ethylbenzene	5	ug/l	0.49 J	NA	ND	NA	ND
Tetrachloroethene	5	ug/l	ND	NA	ND	NA	0.67 JB
Toluene	5	ug/l	0.62 J	NA	ND	NA	ND
trans-1,2-Dichloroethene	5	ug/l	ND	NA	ND	NA	ND
Trichloroethene	5	ug/l	3.6	NA	**13** a	NA	**60** a
Trichlorofluoromethane	5	ug/l	1.7	NA	1.9	NA	ND
Vinyl chloride	2	ug/l	ND	NA	ND	NA	ND
Xylene (Total)	5	ug/l	4.5	NA	ND	NA	ND
Semi-Volatile Organic Compounds (8270)							
2-Methylnaphthalene		ug/l	ND	NA	ND	NA	ND
2-Methylphenol (o-Cresol)		ug/l	ND	NA	ND	NA	ND
4-Chloro-3-methylphenol		ug/l	ND	NA	ND	NA	ND
Acenaphthene	20	ug/l	ND	NA	0.53	NA	ND
Acenaphthylene		ug/l	ND	NA	ND	NA	ND
Acetophenone		ug/l	ND	NA	0.53 J	NA	ND
Anthracene		ug/l	ND	NA	ND	NA	ND
Benzo(a)anthracene		ug/l	ND	NA	ND	NA	ND
Benzo(a)pyrene		ug/l	ND	NA	ND	NA	ND
Benzo(b)fluoranthene		ug/l	ND	NA	ND	NA	ND
Benzo(g,h,i)perylene		ug/l	ND	NA	ND	NA	ND
Benzo(k)fluoranthene		ug/l	ND	NA	ND	NA	ND
bis(2-Ethylhexyl)phthalate	5	ug/l	ND	NA	ND	NA	ND
Carbazole		ug/l	ND	NA	0.5 J	NA	ND
Chrysene		ug/l	ND	NA	ND	NA	ND
Di-n-butylphthalate	50	ug/l	ND	NA	3.5 B	NA	2.6 HB
Dibenzofuran		ug/l	ND	NA	0.18 J	NA	ND
Diethylphthalate		ug/l	ND	NA	0.24 J	NA	ND
Fluoranthene		ug/l	ND	NA	0.42	NA	ND
Fluorene		ug/l	ND	NA	0.23	NA	ND
Indeno(1,2,3-cd)pyrene		ug/l	ND	NA	ND	NA	ND
Naphthalene	10	ug/l	0.32 H	NA	ND	NA	ND
Phenanthrene		ug/l	0.32 H	NA	ND	NA	ND
Phenol	1	ug/l	ND	NA	ND	NA	ND
Pyrene		ug/l	ND	NA	0.26	NA	ND
Pesticides (8081)							
4,4'-DDE	0.2	ug/l	ND	NA	ND	NA	ND
4,4'-DDT	0.2	ug/l	ND	NA	ND	NA	ND
alpha-BHC	0.01	ug/l	ND	NA	ND	NA	ND
beta-BHC	0.04	ug/l	ND	NA	ND	NA	ND
delta-BHC	0.04	ug/l	ND	NA	ND	NA	ND
Dieldrin		ug/l	ND	NA	ND	NA	0.087 J
Endrin	0.2	ug/l	ND	NA	ND	NA	ND
gamma-BHC (Lindane)	0.05	ug/l	ND	NA	ND	NA	ND
Heptachlor	0.04	ug/l	ND	NA	ND	NA	ND
Heptachlor epoxide	0.03	ug/l	ND	NA	ND	NA	ND
Polychlorinated Bi-Phenyls (8082)							
Aroclor 1242	0.09	ug/l	NA	ND	NA	ND	NA
Aroclor 1254	0.09	ug/l	NA	ND	NA	ND	NA
Aroclor 1260	0.09	ug/l	NA	ND	NA	ND	NA
Metals (6010/7471)							
Arsenic	25	ug/l	3.7 J	NA	3.4 J	NA	ND
Barium	1000	ug/l	140 J	NA	55 J	NA	47 J
Cadmium	5	ug/l	ND	NA	ND	NA	ND
Chromium	50	ug/l	12	NA	2.5 J	NA	ND
Lead	25	ug/l	3.6 J	NA	ND	NA	ND
Mercury	0.7	ug/l	ND	NA	ND	NA	ND

ND = Non-detect.

NA = Not analyzed.

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

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.

H = Sample was prepped or analyzed beyond the specified holding time.

* = Laboratory Control Sample (LCS) or LCS Duplicate exceeded control limits.

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Table 5
Laboratory Analytical Detections in Groundwater Samples
Former Building TR-1 Floor Drain Investigation
Carrier Corporation Thompson Road Facility
Syracuse, New York

	Investigation Area:			**Floor Drain Area (Continued)**		
	Sample Location:	FDPZ03	FDPZ03	FDPZ04	FDPZ04	
	Sample ID:	CARFDPZ03G20131106	CARFDPZ03H20131029	CARFDPZ04G20131029	CARFDPZ04G20131106	
	Sample Date:	11/06/2013	10/29/2013	10/29/2013	11/06/2013	
	Sample Type:	Normal	Field Duplicate	Normal	Normal	
	Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	
Analyte	**Groundwater Quality Standard (a)**	**Units**				
Volatile Organic Compounds (8260)						
1,1,1-Trichloroethane	5	ug/l	NA	ND	ND	NA
1,1-Dichloroethane	5	ug/l	NA	ND	ND	NA
1,1-Dichloroethene	5	ug/l	NA	ND	ND	NA
1,2,4-Trichlorobenzene	5	ug/l	NA	ND	ND	NA
1,2-Dichlorobenzene	3	ug/l	NA	ND	ND	NA
1,2-Dichloroethane	0.6	ug/l	NA	ND	ND	NA
1,3-Dichlorobenzene	3	ug/l	NA	ND	ND	NA
1,4-Dichlorobenzene	3	ug/l	NA	ND	ND	NA
2-Butanone (MEK)		ug/l	NA	ND	4.3 J	NA
Acetone	50	ug/l	NA	ND	17	NA
Bromodichloromethane		ug/l	NA	ND	ND	NA
Carbon disulfide	60	ug/l	NA	ND	ND	NA
Chlorobenzene	5	ug/l	NA	ND	ND	NA
Chloroethane	5	ug/l	NA	ND	ND	NA
Chloroform	7	ug/l	NA	ND	ND	NA
cis-1,2-Dichloroethene	5	ug/l	NA	**8** a	4.1	NA
Dibromochloromethane		ug/l	NA	ND	ND	NA
Ethylbenzene	5	ug/l	NA	ND	ND	NA
Tetrachloroethene	5	ug/l	NA	0.64 JB	0.36 JB	NA
Toluene	5	ug/l	NA	ND	ND	NA
trans-1,2-Dichloroethene	5	ug/l	NA	0.39 J	0.47 J	NA
Trichloroethene	5	ug/l	NA	**66** a	**9.4** a	NA
Trichlorofluoromethane	5	ug/l	NA	ND	0.99 J	NA
Vinyl chloride	2	ug/l	NA	ND	0.36 J	NA
Xylene (Total)	5	ug/l	NA	ND	ND	NA
Semi-Volatile Organic Compounds (8270)						
2-Methylnaphthalene		ug/l	NA	ND	ND	NA
2-Methylphenol (o-Cresol)		ug/l	NA	ND	ND	NA
4-Chloro-3-methylphenol		ug/l	NA	ND	ND	NA
Acenaphthene	20	ug/l	NA	ND	0.32 H	NA
Acenaphthylene		ug/l	NA	ND	ND	NA
Acetophenone		ug/l	NA	ND	ND	NA
Anthracene		ug/l	NA	ND	ND	NA
Benzo(a)anthracene		ug/l	NA	ND	ND	NA
Benzo(a)pyrene		ug/l	NA	ND	ND	NA
Benzo(b)fluoranthene		ug/l	NA	ND	ND	NA
Benzo(g,h,i)perylene		ug/l	NA	ND	ND	NA
Benzo(k)fluoranthene		ug/l	NA	ND	ND	NA
bis(2-Ethylhexyl)phthalate	5	ug/l	NA	ND	ND	NA
Carbazole		ug/l	NA	ND	0.74 JH	NA
Chrysene		ug/l	NA	ND	ND	NA
Di-n-butylphthalate	50	ug/l	NA	2.5 HB	2.6 H	NA
Dibenzofuran		ug/l	NA	ND	ND	NA
Diethylphthalate		ug/l	NA	ND	ND	NA
Fluoranthene		ug/l	NA	ND	0.23 H	NA
Fluorene		ug/l	NA	ND	0.3 H	NA
Indeno(1,2,3-cd)pyrene		ug/l	NA	ND	ND	NA
Naphthalene	10	ug/l	NA	ND	0.35 H	NA
Phenanthrene		ug/l	NA	ND	0.92 H	NA
Phenol	1	ug/l	NA	ND	ND	NA
Pyrene		ug/l	NA	ND	ND	NA
Pesticides (8081)						
4,4'-DDE	0.2	ug/l	NA	ND	ND	NA
4,4'-DDT	0.2	ug/l	NA	ND	ND	NA
alpha-BHC	0.01	ug/l	NA	ND	ND	NA
beta-BHC	0.04	ug/l	NA	ND	**0.059** Ja	NA
delta-BHC	0.04	ug/l	NA	ND	ND	NA
Dieldrin		ug/l	NA	ND	ND	NA
Endrin	0.2	ug/l	NA	ND	ND	NA
gamma-BHC (Lindane)	0.05	ug/l	NA	ND	ND	NA
Heptachlor	0.04	ug/l	NA	ND	ND	NA
Heptachlor epoxide	0.03	ug/l	NA	ND	ND	NA
Polychlorinated Bi-Phenyls (8082)						
Aroclor 1242	0.09	ug/l	ND	NA	NA	ND
Aroclor 1254	0.09	ug/l	ND	NA	NA	ND
Aroclor 1260	0.09	ug/l	ND	NA	NA	ND
Metals (6010/7471)						
Arsenic	25	ug/l	NA	ND	10 J	NA
Barium	1000	ug/l	NA	47 J	150 J	NA
Cadmium	5	ug/l	NA	ND	ND	NA
Chromium	50	ug/l	NA	ND	3.1 J	NA
Lead	25	ug/l	NA	ND	ND	NA
Mercury	0.7	ug/l	NA	ND	ND	NA

ND = Non-detect.
NA = Not analyzed.
a = Concentration exceeds the December 2006 NYSDEC 6 NYCRR Part 703 Standards and Groundwater Effluent Limitations.
J = Result is less than the method reporting limit but greater than method
B = Analyte was detected in both the sample and the blank sample.
H = Sample was prepped or analyzed beyond the specified holding time.
* = Laboratory Control Sample (LCS) or LCS Duplicate exceeded control li

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Table 5
Laboratory Analytical Detections in Groundwater Samples
Former Building TR-1 Floor Drain Investigation
Carrier Corporation Thompson Road Facility
Syracuse, New York

		Investigation Area:				**Floor Drain Area (Continued)**	
		Sample Location:	MW36	MW36	MW37	MW38	MW38
		Sample ID:	CARMW36G20131108	CARMW36H20131108	CARMW37G20131024	CARMW38G20131030	CARMW38G20131107
		Sample Date:	11/08/2013	11/08/2013	10/24/2013	10/30/2013	11/07/2013
		Sample Type:	Normal	Field Duplicate	Normal	Normal	Normal
		Matrix:	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Analyte	**Groundwater Quality Standard (a)**	**Units**					
Volatile Organic Compounds (8260)							
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND	ND	NA
1,1-Dichloroethane	5	ug/l	ND	ND	ND	ND	NA
1,1-Dichloroethene	5	ug/l	ND	ND	ND	0.36 J	NA
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	ND	ND	NA
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	NA
1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND	NA
1,3-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	NA
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	NA
2-Butanone (MEK)		ug/l	ND	ND	ND	ND	NA
Acetone	50	ug/l	ND	ND	ND	ND	NA
Bromodichloromethane		ug/l	ND	ND	ND	1.3	NA
Carbon disulfide	60	ug/l	ND	ND	ND	ND	NA
Chlorobenzene	5	ug/l	ND	ND	ND	ND	NA
Chloroethane	5	ug/l	ND	ND	ND	ND	NA
Chloroform	7	ug/l	ND	ND	ND	6.5	NA
cis-1,2-Dichloroethene	5	ug/l	**980** a	**900** a	**880** a	**10** a	NA
Dibromochloromethane		ug/l	ND	ND	ND	0.25 J	NA
Ethylbenzene	5	ug/l	ND	ND	ND	ND	NA
Tetrachloroethene	5	ug/l	ND	ND	ND	0.4 JB	NA
Toluene	5	ug/l	**99** JBa	ND	ND	ND	NA
trans-1,2-Dichloroethene	5	ug/l	ND	ND	ND	ND	NA
Trichloroethene	5	ug/l	**47000** a	**45000** a	**41000** a	**29** a	NA
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND	NA
Vinyl chloride	2	ug/l	ND	ND	ND	ND	NA
Xylene (Total)	5	ug/l	ND	ND	ND	ND	NA
Semi-Volatile Organic Compounds (8270)							
2-Methylnaphthalene		ug/l	ND	ND	ND	ND	NA
2-Methylphenol (o-Cresol)		ug/l	ND	ND	ND	ND	NA
4-Chloro-3-methylphenol		ug/l	ND	ND	ND	ND	NA
Acenaphthene	20	ug/l	ND	ND	ND	ND	NA
Acenaphthylene		ug/l	ND	ND	ND	ND	NA
Acetophenone		ug/l	ND	ND	ND	ND	NA
Anthracene		ug/l	ND	ND	ND	ND	NA
Benzo(a)anthracene		ug/l	ND	ND	ND	ND	NA
Benzo(a)pyrene		ug/l	ND	ND	ND	ND	NA
Benzo(b)fluoranthene		ug/l	ND	ND	ND	ND	NA
Benzo(g,h,i)perylene		ug/l	ND	ND	ND	ND	NA
Benzo(k)fluoranthene		ug/l	ND	ND	ND	ND	NA
bis(2-Ethylhexyl)phthalate	5	ug/l	2.2	ND	ND	ND	NA
Carbazole		ug/l	ND	ND	ND	ND	NA
Chrysene		ug/l	ND	ND	ND	ND	NA
Di-n-butylphthalate	50	ug/l	5.3 B	4.2 B	ND	2.5 B	NA
Dibenzofuran		ug/l	ND	ND	ND	ND	NA
Diethylphthalate		ug/l	ND	ND	ND	ND	NA
Fluoranthene		ug/l	ND	ND	ND	ND	NA
Fluorene		ug/l	ND	ND	ND	ND	NA
Indeno(1,2,3-cd)pyrene		ug/l	ND	ND	ND	ND	NA
Naphthalene	10	ug/l	ND	ND	0.12 J	ND	NA
Phenanthrene		ug/l	ND	ND	ND	ND	NA
Phenol	1	ug/l	ND	ND	ND	ND	NA
Pyrene		ug/l	ND	ND	ND	ND	NA
Pesticides (8081)							
4,4'-DDE	0.2	ug/l	ND	ND	ND	ND	NA
4,4'-DDT	0.2	ug/l	ND	ND	ND	0.16 J	NA
alpha-BHC	0.01	ug/l	ND	ND	ND	ND	NA
beta-BHC	0.04	ug/l	ND	ND	ND	ND	NA
delta-BHC	0.04	ug/l	ND	ND	ND	ND	NA
Dieldrin		ug/l	ND	ND	ND	0.15 J	NA
Endrin	0.2	ug/l	ND	ND	ND	ND	NA
gamma-BHC (Lindane)	0.05	ug/l	ND	ND	ND	ND	NA
Heptachlor	0.04	ug/l	ND	ND	ND	ND	NA
Heptachlor epoxide	0.03	ug/l	ND	ND	ND	ND	NA
Polychlorinated Bi-Phenyls (8082)							
Aroclor 1242	0.09	ug/l	ND	ND	ND	NA	ND
Aroclor 1254	0.09	ug/l	ND	ND	ND	NA	ND
Aroclor 1260	0.09	ug/l	ND	ND	ND	NA	ND
Metals (6010/7471)							
Arsenic	25	ug/l	ND	ND	ND	3.8 J	NA
Barium	1000	ug/l	61 JB	59 JB	56 JB	75 J	NA
Cadmium	5	ug/l	ND	ND	ND	ND	NA
Chromium	50	ug/l	**180** a	**180** a	**180** a	5.1 J	NA
Lead	25	ug/l	ND	ND	ND	2.8 J	NA
Mercury	0.7	ug/l	ND	ND	ND	ND	NA

ND = Non-detect.
NA = Not analyzed.
a = Concentration exceeds the December 2006 NYSDEC 6 NYCRR Part 703 Standards and Groundwater Effluent Limitations.
J = Result is less than the method reporting limit but greater than method
B = Analyte was detected in both the sample and the blank sample.
H = Sample was prepped or analyzed beyond the specified holding time.
* = Laboratory Control Sample (LCS) or LCS Duplicate exceeded control li

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Table 5
Laboratory Analytical Detections in Groundwater Samples
Former Building TR-1 Floor Drain Investigation
Carrier Corporation Thompson Road Facility
Syracuse, New York

	Investigation Area:		**Floor Drain Area (Continued)**		
	Sample Location:	MW39	MW40D		MW40D
	Sample ID:	CARMW39G20131024	CARMW40DG20131030		CARMW40DG20131107
	Sample Date:	10/24/2013	10/30/2013		11/07/2013
	Sample Type:	Normal	Normal		Normal
	Matrix:	Groundwater	Groundwater		Groundwater
Analyte	**Groundwater Quality Standard (a)**	**Units**			
Volatile Organic Compounds (8260)					
1,1,1-Trichloroethane	5	ug/l	ND	ND	NA
1,1-Dichloroethane	5	ug/l	ND	ND	NA
1,1-Dichloroethene	5	ug/l	ND	ND	NA
1,2,4-Trichlorobenzene	5	ug/l	ND	ND	NA
1,2-Dichlorobenzene	3	ug/l	ND	ND	NA
1,2-Dichloroethane	0.6	ug/l	ND	ND	NA
1,3-Dichlorobenzene	3	ug/l	ND	ND	NA
1,4-Dichlorobenzene	3	ug/l	ND	ND	NA
2-Butanone (MEK)		ug/l	ND	ND	NA
Acetone	50	ug/l	10 JB*	ND	NA
Bromodichloromethane		ug/l	ND	ND	NA
Carbon disulfide	60	ug/l	ND	ND	NA
Chlorobenzene	5	ug/l	ND	ND	NA
Chloroethane	5	ug/l	ND	ND	NA
Chloroform	7	ug/l	ND	ND	NA
cis-1,2-Dichloroethene	5	ug/l	**63** a	ND	NA
Dibromochloromethane		ug/l	ND	ND	NA
Ethylbenzene	5	ug/l	ND	ND	NA
Tetrachloroethene	5	ug/l	ND	0.37 JB	NA
Toluene	5	ug/l	ND	ND	NA
trans-1,2-Dichloroethene	5	ug/l	2.6 J	ND	NA
Trichloroethene	5	ug/l	**230** a	ND	NA
Trichlorofluoromethane	5	ug/l	ND	ND	NA
Vinyl chloride	2	ug/l	**2.7** Ja	ND	NA
Xylene (Total)	5	ug/l	ND	ND	NA
Semi-Volatile Organic Compounds (8270)					
2-Methylnaphthalene		ug/l	ND	ND	NA
2-Methylphenol (o-Cresol)		ug/l	ND	ND	NA
4-Chloro-3-methylphenol		ug/l	ND	ND	NA
Acenaphthene	20	ug/l	ND	ND	NA
Acenaphthylene		ug/l	ND	ND	NA
Acetophenone		ug/l	ND	ND	NA
Anthracene		ug/l	ND	ND	NA
Benzo(a)anthracene		ug/l	ND	ND	NA
Benzo(a)pyrene		ug/l	ND	ND	NA
Benzo(b)fluoranthene		ug/l	ND	ND	NA
Benzo(g,h,i)perylene		ug/l	ND	ND	NA
Benzo(k)fluoranthene		ug/l	ND	ND	NA
bis(2-Ethylhexyl)phthalate	5	ug/l	0.31 JB	ND	NA
Carbazole		ug/l	ND	ND	NA
Chrysene		ug/l	ND	ND	NA
Di-n-butylphthalate	50	ug/l	ND	2.6 B	NA
Dibenzofuran		ug/l	ND	ND	NA
Diethylphthalate		ug/l	ND	ND	NA
Fluoranthene		ug/l	ND	ND	NA
Fluorene		ug/l	ND	ND	NA
Indeno(1,2,3-cd)pyrene		ug/l	ND	ND	NA
Naphthalene	10	ug/l	ND	ND	NA
Phenanthrene		ug/l	ND	ND	NA
Phenol	1	ug/l	ND	ND	NA
Pyrene		ug/l	ND	ND	NA
Pesticides (8081)					
4,4'-DDE	0.2	ug/l	ND	ND	NA
4,4'-DDT	0.2	ug/l	ND	ND	NA
alpha-BHC	0.01	ug/l	ND	ND	NA
beta-BHC	0.04	ug/l	ND	ND	NA
delta-BHC	0.04	ug/l	0.021 J	ND	NA
Dieldrin		ug/l	ND	ND	NA
Endrin	0.2	ug/l	ND	ND	NA
gamma-BHC (Lindane)	0.05	ug/l	ND	ND	NA
Heptachlor	0.04	ug/l	ND	ND	NA
Heptachlor epoxide	0.03	ug/l	ND	ND	NA
Polychlorinated Bi-Phenyls (8082)					
Aroclor 1242	0.09	ug/l	ND	NA	ND
Aroclor 1254	0.09	ug/l	ND	NA	ND
Aroclor 1260	0.09	ug/l	ND	NA	ND
Metals (6010/7471)					
Arsenic	25	ug/l	ND	12 J	NA
Barium	1000	ug/l	96 JB	33 J	NA
Cadmium	5	ug/l	ND	ND	NA
Chromium	50	ug/l	ND	2.6 J	NA
Lead	25	ug/l	ND	ND	NA
Mercury	0.7	ug/l	ND	ND	NA

ND = Non-detect.
NA = Not analyzed.
a = Concentration exceeds the December 2006 NYSDEC 6 NYCRR Part 703 Standards and Groundwater Effluent Limitations.
J = Result is less than the method reporting limit but greater than method
B = Analyte was detected in both the sample and the blank sample.
H = Sample was prepped or analyzed beyond the specified holding time.
* = Laboratory Control Sample (LCS) or LCS Duplicate exceeded control li

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Table 6

Groundwater 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			
cis-1,2-dichloroethene	FDPZ03	7.3	Yes
	MW36	980	Yes
	MW37	880	Yes
	M38	10	Yes
	MW39	63	Yes
Toluene	MW36	99JB	Yes
Trichloroethene	FDPZ02	13	Yes
	FDPZ03	60	Yes
	FDPZ04	9.4	Yes
	MW36	47,000	Yes
	MW37	41,000	Yes
	M38	29	Yes
	MW39	230	Yes
vinyl chloride	MW39	2.7J	Yes
Semi-volatile Organic Compounds			
None			
Pesticides			
Beta-BHC	FDPZ04	0.059J	Yes
Polychlorinated Bi-phenyls			
None			
RCRA Metals			
Chromium	MW36	180	Yes
	MW37	180	Yes

Notes:
µg/L = microgram 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.

Most VOC concentrations slightly exceeded or were one order of magnitude greater than their respective screening limits, with elevated concentrations reported for cis-1,2-dichloroethene (cis-1,2-DCE) and TCE in groundwater samples collected from monitoring wells MW36 and MW37. TCE concentrations reported for these two samples were four orders of magnitude greater than the screening limit and potentially represent a source area. A field duplicate sample collected from

monitoring well MW36 yielded similar results to its corresponding groundwater sample with one exception. Toluene was detected at an estimated, or J-flagged, concentration of 99 µg/L in the primary groundwater sample obtained from monitoring well MW36 which exceeded the NYCRR Part 703 Groundwater Quality Standards screening limit, while it was reported as "non-detect" in a duplicate sample. Additionally, PCE was detected in several groundwater samples, but all reported concentrations were less than the NYCRR Part 703 Groundwater Quality Standards screening limit. All PCE detections, as well as the toluene concentration reported for monitoring well MW36, were assigned a "B" qualifier by the laboratory. This denotes the analyte was detected in both the sample and the laboratory method blank sample indicating these particular concentrations may be viewed as "non-detect" due to the method blank artifacts. "J", "B", and other qualifiers were assigned to various analytes by the laboratory; however, none of these qualifiers had a negative impact on the data. Qualifiers for groundwater samples are summarized in the laboratory analytical reports (Appendix D) and Table 5.

No other reported concentrations exceeded their respective NYCRR Part 703 Groundwater Quality Standards screening limits. It is also notable that laboratory method detection limits for all groundwater samples analyzed are less than their respective NYCRR Part 703 Groundwater Quality Standards screening limits, with the exception of PCBs.

No PCB analytes were detected in groundwater samples at a concentration greater than laboratory method detection limits. 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 via U.S. EPA Method 8082 in accordance with the NYSDEC approved work plan.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Findings from former Building TR-1 Floor Drain investigation activities identified impacts to shallow subsurface soils and groundwater, including elevated concentrations of select VOCs in groundwater. Laboratory analytical results for soil samples reported various VOCs, SVOCs, pesticides, PCBs, and metals at concentrations above laboratory method reporting limits. Reported concentrations of only three of VOC analytes (TCE, cis-1,2-DCE, and 2-butanone [MEK]) exceeded their respective Unrestricted Use, Protection of Groundwater, and/or Protection of Ecological Resources SCOs; however, no reported soil concentrations, for any analytes, exceeded their respective Commercial or Industrial Use SCOs.

Several VOCs, beta-BHC, and chromium were reported at concentrations in excess of their respective NYCRR Part 703 Groundwater Quality Standards. Most VOC concentrations slightly exceeded or were one order of magnitude greater than their respective screening limits. Elevated concentrations reported for cis-1,2-DCE and TCE in monitoring wells MW36 and MW37 may potentially represent a source area.

Based on review of boring log data and laboratory analytical results reported for deep monitoring well MW40D, impacts appear to be limited to shallow soil and the shallow groundwater aquifer in the area of the Floor Drain. Previous investigations at the Site have also identified limited communication between the shallow and deep groundwater aquifers due to an aquitard zone consisting of dense clayey silt and silt documented at an approximate depth of 20 to 25 feet bgs. Deep groundwater aquifer monitoring wells recently installed in other areas of the Site with elevated VOCs and/or NAPL identified in the shallow groundwater aquifer have yielded no significant detections of VOCs. Only two previously existing deep groundwater aquifer monitoring wells at the Site have historically yielded significant detections of VOC analytes — monitoring wells MW3D and MW13D2. However, VOC concentrations at these two locations have been orders of magnitude less than their shallow groundwater aquifer counterpart – monitoring well MW3S.

Investigation activities summarized herein have not fully delineated the horizontal extent of shallow groundwater impacts in the area of the former building TR-1 Floor Drain. However, based on review of historical groundwater monitoring results for proximal and Site-wide network monitoring wells, horizontal impacts to shallow groundwater do not appear to be widespread across the Site. Rather, they appear to be limited in extent to point sources (i.e., Floor Drain). Additionally, the former Building TR-1 concrete slab was left in place to protect potentially impacted underlying media, and diversion of storm water to prevent infiltration to sub-slab media was achieved by installation of an engineered cover atop the existing concrete slab. Although, groundwater infiltration into the storm sewer system at the Site has been documented, storm sewer utilities beneath former Building TR-1, which receive infiltration of impacted groundwater from the

Floor Drain area, are connected to the on-site treatment system and treated prior to being discharged to Sanders Creek.

It is recommended that monitoring wells in the former Building TR-1 Floor Drain area be sampled one additional time as part of the next annual Site-wide groundwater monitoring event conducted under Consent Order agreement Index CO 7-20051118-4. The next annual groundwater monitoring event is tentatively scheduled for June 2014. At that time, a decision to include select monitoring wells from the former Building TR-1 Floor Drain area into the annual monitoring network will be discussed with NYSDEC.

7.0 LIMITATIONS

The information presented in this report was obtained through performance of a Scope of Work outlined in the *Former Building TR-1 Sub-Slab Investigation Work Plan* (EnSafe, August 9, 2013). 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

ENSAFE
5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: FDPZ01

Project: Floor Drain Investigation

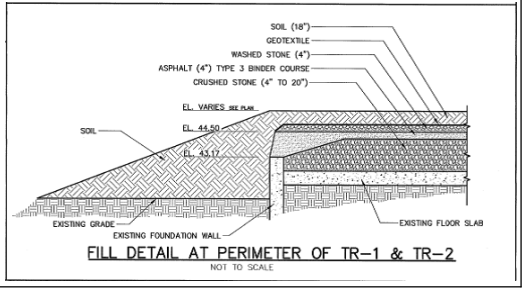
Client:	Carrier Corporation	**Start Date:**	10/11/2013	**Northing:**	632044.8547
Location:	Carrier Syracuse	**End Date:**	10/11/2013	**Easting:**	1124147.499
Project #:	0888814332	**Drilling Method:**	DPT	**TOC Elevation:**	45.82
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	45.9
Well Owner:	Carrier Corporation	**Geologist:**	J. Matthews	**Total Depth FT:**	21.0

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	45		Topsoil / Gravel	0.0		0-0.5 ft. Topsoil.	Well Cap
				0.0		0-3.7 ft. Gravel (DGA), asphalt, concrete.	
				0.0			3-Inch Casing
				0.0			Bentonite Seal
			Concrete	0.0		3.7-4.5 ft. Concrete.	1-Inch PVC Riser
-5	40		GP	0.0		4.5-6 ft. Gravel (DGA) fill.	
			SC	0.0		6-8 ft. Clayey Sand with gravel-low recovery: Clay, low plasticity, soft; Sand fine-grained, weakly cemented; Gravel medium (>1<2-inch diameter), sub-angular.	
				0.0			
				0.0		8-12 ft. Sand with Clay and Gravel-low recovery: Sand medium-grained, moderately cemented, blocky; Clay low placity, soft to very soft; very moist to wet.	
-10	35			0.0	1		
				0.0			
			SP	0.0		12-16 ft. Sand with a trace of Silt: Sand fine-grained, weakly cemented, very wet.	20/40 Filter Sand
-15	30						1-Inch PVC Screen - 0.01-Inch Slot
						Not sampled below 16 ft.	
-20	25						

NOTES: Boring terminated at 16 feet below ground surface (No Refusal).
Boring converted to piezometer FDPZ01.

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARFDPZ01S09 collected on October 11, 2013.



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5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: FDPZ02

Project: Floor Drain Investigation

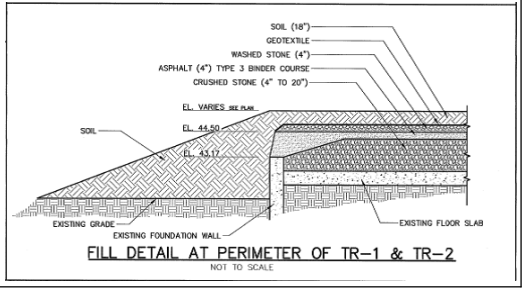
Client:	Carrier Corporation	**Start Date:**	10/11/2013	**Northing:**	632029.029
Location:	Carrier Syracuse	**End Date:**	10/11/2013	**Easting:**	1124191.505
Project #:	0888814332	**Drilling Method:**	DPT	**TOC Elevation:**	47.04
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	47.1
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis	**Total Depth FT:**	21.0

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	45		Topsoil	0.0		0-0.5 ft. Topsoil.	Well Cap
			ML CL	0.0		0.5-1 ft. Clayey Silt: dark brown, fissured; Clay low plasicity; firm to stiff.	
				0.0		1-4 ft. Gravelly and Clayey, Silt: Silt fissured,firm, dark brownish-gray; Clay, low plasticity; Gravel small (<1-Inch), sub-angular, increasing gravel with depth; dry.	3-Inch Casing
				0.0			Bentonite Seal
				0.0			1-Inch PVC Riser
-5	40		GP	0.0		4-8 ft. Gravel: small (<1-Inch), sub-angular; red brick towards 8 ft; very dry.	
				0.0			
				0.0			
			CL	0.0		8-9 ft. Gravel with Clay: Gravel small (<1-Inch), sub-angular; Clay, low plasticity, firm; dry to slight moist.	
-10				0.0		9-10 ft. Sandy-Gravelly Clay: medium brown; Clay, low plasticity, firm to stiff; Sand fine-grained; Gravel small (<1-Inch), sub-rounded; dry.	
	35		SP	0.0	1	10-11 ft. Sandy Clay: yellowish-brown; Clay, low plasiticy, soft; Sand fine-grained; slightly moist.	20/40 Filter Sand
-15						11-12 ft. Sand: yellowish-brown; Sand medium-grain, well-sorted, blocky, weakly cemented; moist.	1-Inch PVC Screen - 0.01-Inch Slot
	30					12-20 ft. Sand with minor fines: medium brown; Sand medium-grained, well-sorted, weakly cemented; wet (saturated).	
-20							

NOTES: Boring terminated at 21 feet below ground surface (No Refusal).
Boring converted to piezometer FDPZ02.

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARFDPZ02S11 collected on October 11, 2013.



FILL DETAIL AT PERIMETER OF TR-1 & TR-2
NOT TO SCALE

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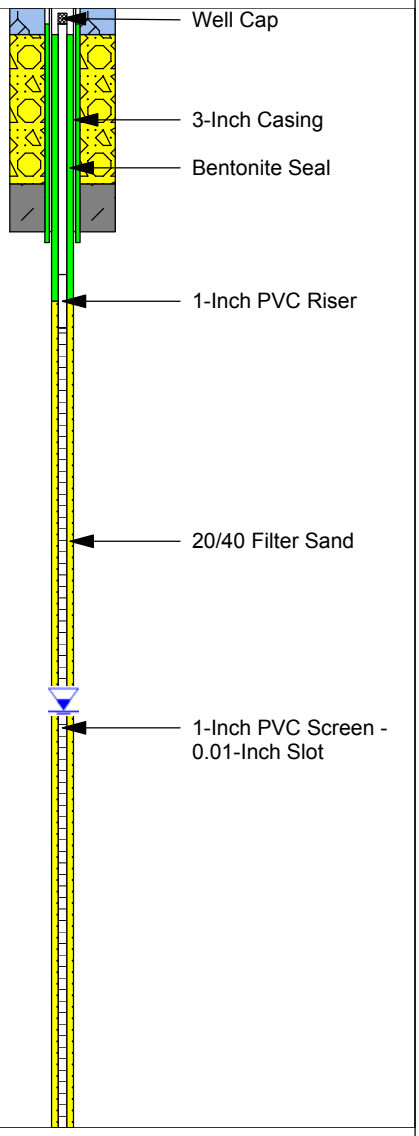
5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: FDPZ03

Project: Floor Drain Investigation

Client:	Carrier Corporation	**Start Date:**	10/11/2013	**Northing:**	632165.2509
Location:	Carrier Syracuse	**End Date:**	10/11/2013	**Easting:**	1124155.106
Project #:	0888814332	**Drilling Method:**	DPT	**TOC Elevation:**	45.37
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	45.5
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis	**Total Depth FT:**	21.0

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)
0	45		Topsoil / Gravel	0.0		0-0.5 ft. Topsoil.
				0.0		0.5-3.3 ft. Gravel (DGA), asphalt, gravel, concrete.
				0.0		
			Concrete	0.0		3.3-4.2 ft. Concrete.
			SP	0.0		4.2-8 ft. Sand with minor Gravel and Clay: medium brown; Sand medium- to fine-grained, weakly cemented; Gravel small (<1-Inch), sub-angular; Clay, low plasicity, firm; moist.
-5	40			0.0		
				0.0		
				0.0		8-9 ft. Clayey Sand: Medium brown; Clay, low plasicity, firm; Sand medium-grained, weakly cemented; moist.
			SC	0.0		
			CL	0.0	1	9-10 ft. Sandy Clay with minor Gravel: Clay low plasicity, firm; Sand medium-grained, weakly cemented; Gravel small (<1-Inch), sub-rounded, moist to wet.
-10	35			0.0		
			SC	0.0		10-11 ft. Clay with minor Sand: medium brown; Clay low plasicity, stiff; Sand medium-grained, weakly cemented; moist.
			SP			11-12 ft. Clayey Sand with minor Gravel: medium brown; Sand medium-grained, weakly cemented; Clay low plasicity, stiff; Gravel small (<1-Inch), moist.
-15	30					12-13 ft. Sand: medium brown; Sand well-sorted, moderately cemented; moist.
						13-16 ft. Sand: medium brown; medium-grained, moderately cemented, wet (saturated).
-20	25					Not sampled below 16 ft.

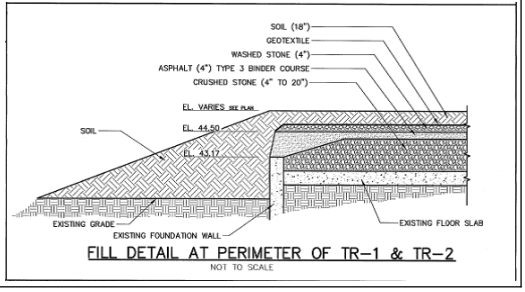


NOTES:

Boring terminated at 21 feet below ground surface (No Refusal).
Boring converted to piezometer FDPZ02.

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARFDPZ03S09 collected on October 11, 2013.



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5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: FDPZ04

Project: Floor Drain Investigation

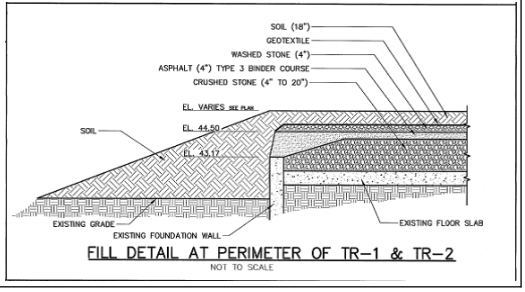
Client:	Carrier Corporation	**Start Date:**	10/11/2013	**Northing:**	632147.563
Location:	Carrier Syracuse	**End Date:**	10/11/2013	**Easting:**	1124186.612
Project #:	0888814332	**Drilling Method:**	DPT	**TOC Elevation:**	45.99
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	46.1
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis	**Total Depth FT:**	21.0

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	45		Topsoil	0.0		0-1 ft. Topsoil.	Well Cap
			Gravel	0.0		1-4 ft Gravel (DGA), asphalt	3-Inch Casing
				0.0			Bentonite Seal
				0.0			1-Inch PVC Riser
-5	40		GP	0.0		4-7.5 ft. Gravel (DGA) fill.	
				0.0			
				0.0		7.5-8.2 ft. Clay with fine-grained Sand and Gravel: medium brown; Clay, low plasicity, soft; Sand fine-grained, weakly cemented; Gravel small (<1-Inch), sub-rounded.	
			CL	0.0			
			SP	0.0		8.2-12 ft. Sand: brown; Sand very fine-grained, weakly cemented, very moist to wet (saturated) below 9 ft.	
-10	35			0.0	1		
				0.0			
				0.0		12-16 ft. Sand: brown; Sand very fine-grained, well sorted, weakly cemented; wet (saturated).	20/40 Filter Sand
-15	30						1-Inch PVC Screen - 0.01-Inch Slot
						No sample taken below 16 ft.	
-20							

NOTES: Boring terminated at 21 feet below ground surface (No Refusal).
Boring was converted to piezometer FDPZ04.

ft = feet
GSE = ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARFDPZ04S09 collected on October 11, 2013.



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5724 Summer Trees Drive
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Monitoring Well: MW36

Project: Floor Drain Investigation

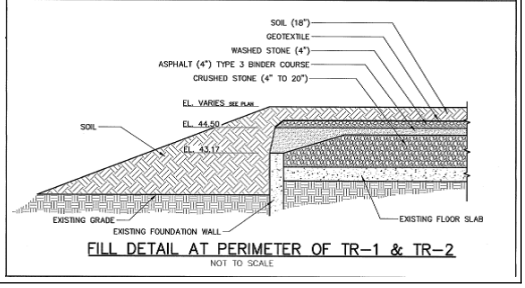
Client:	Carrier Corporation	**Start Date:**	10/15/2013	**Northing:**	632112.2313
Location:	Carrier Syracuse	**End Date:**	10/15/2013	**Easting:**	1124155.848
Project #:	0888814332	**Drilling Method:**	DPT/Spin & Wash	**TOC Elevation:**	46.25
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	46.25
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis	**Total Depth FT:**	21

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	45		Topsoil / Gravel	0.0		0-0.5 ft. topsoil.	Well Cap
				0.0		0.5-4 ft. Gravel (DGA), asphalt.	6-inch DiameterSchedule 80-PVC Surface Casing
				0.0			
				0.0			
			Concrete			3.5-4.4 ft. Concrete	4-Inch PVC Riser
-5			GP	0.0		4.4-5 ft. Gravel (DGA) fill.	Bentonite Seal
	40		ML	100.3		5-9 ft. Clayey Silt with some Gravel: reddish-brown; Silt few fissures, stiff to firm; Clay low plasticity; Gravel (>1<2-Inch), sub-rounded; slightly moist.	
				8.6			
				20.2	1		
-10			SM	6.4		9-12 ft. Silty Sand with some Gravel: Sand medium-grained, blocky; Silt non-fissured; Gravel small (<1-Inch), sub-rounded; moist to wet.	20/40 Filter Sand
	35			0.0			
			SP			12-16 ft. Sand: light brown; medium-grained, weakly to moderately cemented, well sorted; (saturated).	4-Inch PVC Screen - 0.01-Inch Slot
-15							
	30					Not sampled below 16 ft.	
-20							

NOTES: Boring terminated at 21 feet below ground surface (No Refusal).

ft = feet
GSE = Ground Surface Elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARMW36S07 collected on October 15, 2013.



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Memphis TN 38134

Monitoring Well: MW37

Project: Floor Drain Investigation

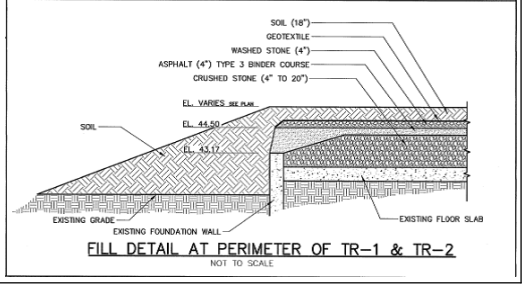
Client:	Carrier Corporation	**Start Date:**	10/9/2013	**Northing:**	632096.3953
Location:	Carrier Syracuse	**End Date:**	10/11/2013	**Easting:**	1124162.955
Project #:	0888814332	**Drilling Method:**	DPT/Spin & Wash	**TOC Elevation:**	45.33
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	45.33
Well Owner:	Carrier Corporation	**Geologist:**	J. Matthews	**Total Depth FT:**	21

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	45		Topsoil / Gravel			0-0.5 ft; Topsoil.	Well Cap
						0-3.7 ft. topsoil, Gravel (DGA), asphalt.	4-Inch Casing
							2-Inch PVC Riser
			Concrete			3.7-4.4 ft. Concrete.	Bentonite Seal
-5	40		GP / CL			4-4.9 ft. Gravel (DGA) fill.	
				0.8		4.9-8 ft. Clay with Silt, Sand, and Gravel: brown; Clay, moderately plastic, very stiff to hard; Silt non-fissured; Gravel small (<1-Inch), sub-angular; dry.	
				1.3			
				3.5		8-12 ft. Clay with Sand and Gravel: brown; Clay low plasicity, very stiff; Sand fine-grained, weakly cemented; Gravel small (<1-inch); moist to wet.	
-10	35			3.2	1		20/40 Filter Sand
				2.8			
				4.2			
			SC	3.1		12-16 ft. Sand with some Clay: Sand medium grained, moderately cemented; Clay low plasticity, stiff; wet (saturated).	2-Inch PVC Screen - 0.01-Inch Slot
				2.2			
-15	30			2.0			
						Not sampled below 16 ft.	
-20	25						

NOTES: Boring terminated at 21 feet below ground surface.

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARMW37S09 collected on October 10, 2013.



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5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: MW38

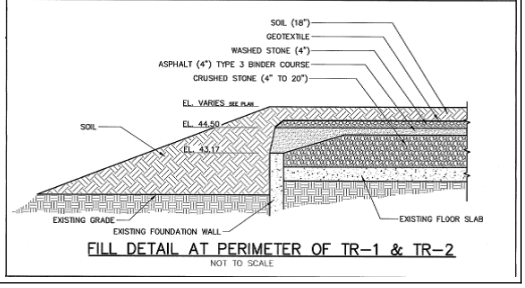
Project: TR-1 Sub-Slab Investigation

Client:	Carrier Corporation	**Start Date:**	10/22/2013	**Northing:**	632106.2846
Location:	Carrier Syracuse	**End Date:**	10/22/2013	**Easting:**	1124226.85
Project #:	0888814332	**Drilling Method:**	4.25-Inch ID HSAs	**TOC Elevation:**	43.04
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	43.3
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis	**Total Depth FT:**	15

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	40		~~Topsoil~~ CL	0.0		0-0.5 ft. Topsoil with asphalt.	Well Cap; Well Pad: 24-Inch Diameter Round
				0.0		0-0.5 ft. Clay with Sand: brownish-black; Clay, low plasticity, firm; Sand fine-grained, weakly cemented; dry.	
				0.0			Bentonite Seal
				0.0		2-4 ft. Clay with Sand and Gravel: reddish-brown; Clay low plasicity, firm; Sand fine-grained, weakly to moderateldy cemented, blocky: Gravel small (<1-Inch), sub-rounded; moist.	
-5			SW	0.0			
			SP	0.0		4-5 ft. Clayey, Sand with Gravel: Clay low plasticity, firm; Sand, medium-grained, poorly sorted, weakly cemented; Gravel small (<1-Inch); moist; slight hydrocarbon odor.	
	35			0.0		5-12 ft. Sand: medium brown, well-sorted, fine-grained, moderatly cemented, wet (saturated).	
				0.0			
-10				0.0			20/40 Filter Sand; 2" PVC Screen - 0.01-Inch Slot
				0.0			
			SC	0.0		12-15 ft. Sand with some Silts and Clays: medium brown; Sand very fine-grained, weakly cemented; wet (saturated).	
	30						
-15							

NOTES: Boring terminated at 15 feet below ground surface (No Refusal).

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate



FILL DETAIL AT PERIMETER OF TR-1 & TR-2
NOT TO SCALE

ENSAFE
5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: MW39

Project: Floor Drain Investigation

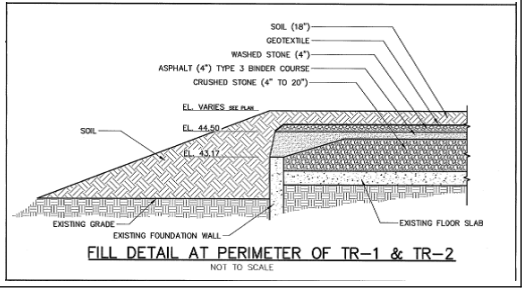
Client:	Carrier Corporation	**Start Date:**	10/9/2013	**Northing:**	632148.4815
Location:	Carrier Syracuse	**End Date:**	10/10/2013	**Easting:**	1124154.224
Project #:	0888814332	**Drilling Method:**	DPT/Spin & Wash	**TOC Elevation:**	45.46
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	45.46
Well Owner:	Carrier Corporation	**Geologist:**	J. Matthews	**Total Depth FT:**	21

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	45		Topsoil	0.0		0-0.5 ft; Topsoil.	Well Cap
			Gravel	0.0		0.5-3.7 ft. Gravel (DGA), asphalt.	4-Inch Casing
				0.0			Bentonite Seal
				0.0		3.7-4.2 ft. Concrete.	2-Inch PVC Riser
			Concrete	0.0		4-8 ft. Gravel (DGA) fill.	
-5	40		GP	0.0			
				0.0			
				0.0			
			SC	0.0		8-12 ft. Clay Sand: brown; Clayey Sand becoming very fine-grained Sand, moderately cemented; wet (saturated) below 9.3 ft.	
-10	35			0.0	1		20/40 Filter Sand
			SP			12-16 ft. Sand, fine-grained, weakly cemented; wet (saturated).	2-Inch PVC Screen - 0.01-Inch Slot
-15	30					Not sampled below 16 ft.	
-20	25						

NOTES: Boring terminated at 21 feet below ground surface.

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARMW39S09 collected on October 10, 2013.



ENSAFE
5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: MW40D

Project: Floor Drain Investigation

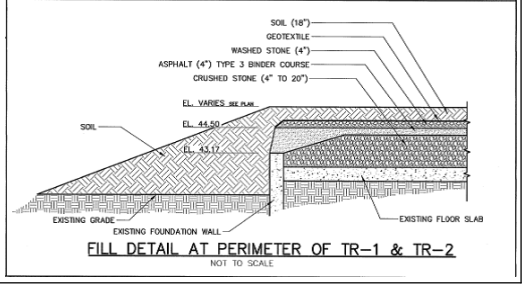
Client:	Carrier Corporation	**Start Date:**	10/11/2013	**Northing:**	632098.0754
Location:	Carrier Syracuse	**End Date:**	10/23/2013	**Easting:**	1124226.186
Project #:	0888814332	**Drilling Method:**	Fluid-Rotary and DPT	**TOC Elevation:**	42.95
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	43.21
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis & J.Matthews	**Total Depth FT:**	44

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0			Topsoil	0.0		0-2 ft. Gravel, Clay, and Sand; Gravel coarse (1to 2-inch), angular, Clay, firm low placticity, Sand fine-grained, weak cementation. Brownish-black gravel, dry.	Well Cap; Well Pad: 24-Inch Diameter Round
	40		CL	0.0		2-4 ft. Clay with Sand and Gravel: Clay, low plasticity, reddish-brown, firm, and moist; Sand fine-grained blocky (cohesive); and fine (<1inch) gravel, sub-rounded;	
			SC	0.0			
-5			SP	0.0	1	4-5 ft. Clayey Sand: Clay, low plasticity, firm moist; Sand fine-grained, blocky; Gravel small (<1-inch), sub-rounded; slight hydrocarbon odor.	Cement Grout
				0.0		5-16 ft. Sand, medium brown, well-sorted, fine-grained, firm, wet (saturated).	
	35			0.0			
-10				0.0			Bentonite
				0.0			
				0.0			
	30			0.0			
-15				0.0			
			SM	0.0		16-19.5 ft. Silty Sand: medium grayish-brown; Sand very fine-grained, weakly cemented, fissured to blocky, very wet (saturated).	
	25			0.0			
-20			ML	0.0		19.5-24 ft. Glacial Till: Silt; Blocky, medium grayish-brown stiff, moist.	

NOTES: Boring terminated at 44 feet below ground surface due to refusal.

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARMW40DS04 collected on October 11, 2013.



ENSAFE
5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: MW40D

Project: Floor Drain Investigation

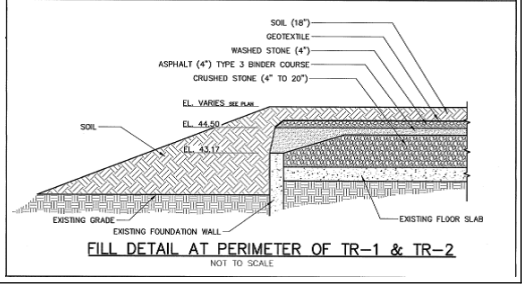
Client:	Carrier Corporation	**Start Date:**	10/11/2013	**Northing:**	632098.0754
Location:	Carrier Syracuse	**End Date:**	10/23/2013	**Easting:**	1124226.186
Project #:	0888814332	**Drilling Method:**	Fluid-Rotary and DPT	**TOC Elevation:**	42.95
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	43.21
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis & J.Matthews	**Total Depth FT:**	44

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
-25	20		ML			24-39 ft. Clayey Silt, medium brown, stiff, low plasticity, slightly moist.	Bentonite Seal
-30	15						
-35	10						20/40 Filter Sand
-40	5						2" PVC Screen - 0.01-Inch Slot
	0					43.7-44 ft. Shale; dark gray, fissile, dry.	

NOTES: Boring terminated at 44 feet below ground surface due to refusal.

ft = feet
GSE = Ground surface elevation
TOC = Top of Casing
DPT= Direct Push Technology
DGA = Dense Grade Aggrate

1 = CARMW40DS04 collected on October 11, 2013.



Appendix B
Monitoring Well Construction and Potentiometric Data

Summary of Monitoring Well Construction
and Potentiometric Measurement Data
Carrier Corporation Thompson Road Facility
Syracuse, New York

Well ID	Area	Boring TD feet bgs	Well TD feet bgs	Well Diameter Inches	Screen Length feet	[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	[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	[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
Existing Monitoring Well Network (prior to October 2013)							**Week of 11/1/2013**				**11/9-11/2013**				**11/25-26/2013**				**12/5/2013 (FP Sampling)**				**12/9-10/13**				**12/23-24/2013**			
MW03S	See Site Map	14.32	14.32	2	3 - 13	43.13	---	---	---	---	---	---	---	---	NA	6.52	NA	36.61		---			NA	6.31	NA	36.82	NA	6.53	NA	36.6
MW05R	See Site Map	14.60	14.60	2	4.25 - 14.25	35.4	---	---	---	---	---	---	---	---	NA	3.04	NA	32.36		---			NA	2.83	NA	32.57	NA	2.56	NA	32.84
MW06	See Site Map	16.88	16.88	2	5 - 15	44.8	---	---	---	---	---	---	---	---	NA	11.04	NA	33.76	---	---	---	---	NA	10.82	NA	33.98	NA	10.71	NA	34.09
MW08	See Site Map	14.78	14.78	2	10.00	42.59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW09	See Site Map	17.20	17.20	2	5 - 15	44.79	---	---	---	---	---	---	---	---	NA	7.34	NA	37.45	---	---	---	---	NA	6.51	NA	38.28	NA	5.79	NA	39
MW10	See Site Map	17.54	17.54	2	7.25-17.25	41.38	---	---	---	---	---	---	---	---	NA	8.48	NA	32.9	---	---	---	---	NA	8.11	NA	33.27	NA	8.02	NA	33.36
MW11	See Site Map	16.00	16.00	2	4 - 16	40.82	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		---	---	---	---	---	---
MW14	See Site Map	27.06	27.06	2	17 - 27	42.19	---	---	---	---	NA	10.67	NA	31.52	NA	3.45	NA	38.74	---	---	---	---	NA	2.88	NA	39.31	NA	10.06	NA	32.13
MW17	See Site Map	14.99	14.99	2	10 - 15	35.61	---	---	---	---	---	---	---	---	NA	7.89	NA	27.72	---	---	---	---	NA	7.98	NA	27.63	NA	7.34	NA	28.27
MW18	See Site Map	14.50	14.50	2	9.5 - 14.5	36.3	---	---	---	---	---	---	---	---	NA	7.44	NA	28.86	---	---	---	---	NA	7.35	NA	28.95	NA	6.91	NA	29.39
MW19	See Site Map	18.13	18.13	2	8 - 18	43.31	---	---	---	---	NA	8.61	NA	34.7	NA	9.15	NA	34.16	---	---	---	---	NA	8.54	NA	34.77	NA	8.37	NA	34.94
MW20	See Site Map	15.75	15.75	2	5.75 - 15.75	42.69	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---*	---*	---*	---*
MW21	See Site Map	14.31	14.31	2	4.25 - 14.5	41.11	---	---	---	---	---	---	---	---	NA	11.12	NA	29.99	---	---	---	---	NA	9.76	NA	31.35	NA	8.79	NA	32.32
MW03D	See Site Map	29.62	29.62	2	22 - 27	44.23	---	---	---	---	---	---	---	---	NA	8.19	NA	36.04	---	---	---	---	NA	7.68	NA	36.55	NA	7.82	NA	36.41
MW13D2	See Site Map	55.11	55.11	2	45.09 - 55.09	41.3	---	---	---	---	---	---	---	---	NA	5.94	NA	35.36	---	---	---	---	NA	5.47	NA	35.83	NA	5.42	NA	35.88
MW14D	See Site Map	57.00	57.00	2	37 - 47	42.27	---	---	---	---	NA	3.46	NA	38.81	NA	11.21	NA	31.06	---	---	---	---	NA	10.4	NA	31.87	NA	2.61	NA	39.66
MW16D	See Site Map	45.10	45.10	2	35 - 45	44.72	---	---	---	---	---	---	---	---	NA	5.49	NA	39.23	---	---	---	---	NA	5.25	NA	39.47	NA	4.49	NA	40.23
MW22D	See Site Map	54.60	54.60	2	44.5 - 55.5	45.14	---	---	---	---	---	---	---	---	NA	9.5	NA	35.64	---	---	---	---	NA	8.98	NA	36.16	NA	9.1	NA	36.04
PZWE13	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---	NA	6.32	NA	Not Surveyed	---	---	---	---	NA	6.07	NA	Not Surveyed	---	---	---	---
PZWE14	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---	NA	6.94	NA	Not Surveyed	---	---	---	---	NA	6.87	NA	Not Surveyed	---	---	---	---
PZWE15	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---	NA	5.95	NA	Not Surveyed	---	---	---	---	NA	5.69	NA	Not Surveyed	---	---	---	---
PZWE16	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---	NA	6.09	NA	Not Surveyed	---	---	---	---	NA	5.51	NA	Not Surveyed	---	---	---	---
PZSO05	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	5.55	NA	Not Surveyed	---	---	---	---
B001-01	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	11.24	NA	Not Surveyed	NA	8.28	NA	Not Surveyed
B001-02	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	9.77	NA	Not Surveyed	NA	8.42	NA	Not Surveyed
B001-03	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	6.66	NA	Not Surveyed	NA	6.37	NA	Not Surveyed
B001-04	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	11.07	NA	Not Surveyed	NA	10.38	NA	Not Surveyed
B001-05	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	11.77	NA	Not Surveyed	NA	11.85	NA	Not Surveyed
B001-06	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	NA	5.25	NA	Not Surveyed	NA	4.47	NA	Not Surveyed	---	---	---	---	NA	4.39	NA	Not Surveyed	4.64	4.65	0.01	Not Surveyed
B001-07	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	5.51	NA	Not Surveyed	NA	5.45	NA	Not Surveyed
B001-08	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	5.89	NA	Not Surveyed	NA	4.09	NA	Not Surveyed
B001-09	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	7.98	NA	Not Surveyed	NA	7.2	NA	Not Surveyed
B001-10	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	7.1	NA	Not Surveyed	NA	7.5	NA	Not Surveyed
B001-11	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	7.86	NA	Not Surveyed	---*	---*	---*	---*
B001-12	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	8.47	NA	Not Surveyed	---*	---*	---*	---*
B001-13	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	10.4	NA	Not Surveyed	NA	10.28	NA	Not Surveyed
B001-14	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	7.67	NA	Not Surveyed	---*	---*	---*	---*
B001-15	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	10.34	NA	Not Surveyed	NA	10.25	NA	Not Surveyed
B001-16	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NA	10.99	NA	Not Surveyed	---*	---*	---*	---*
Wells installed during October 2013 Investigations							**Week of 11/1/2013**				**11/9-11/2013**				**11/25-26/2013**				**12/5/2013 (FP Sampling)**				**12/9-10/13**				**12/23-24/2013**			
MW23	TR-1 Vault	12	18	2	10	42.13	NA	9.7	NA	32.43	NA	8.62	NA	33.51	NA	8.65	NA	33.48	---	---	---	---	NA	8.59	NA	33.54	NA	8.64	NA	33.49
MW24	TR-1 Vault	16	16.8	2	10	43.17	NA	8.87	NA	34.30	NA	8.61	NA	34.56	NA	8.71	NA	34.46	---	---	---	---	NA	8.17	NA	35	NA	8.12	NA	35.05
MW25	TR-1 SSI	16	21	4	15	44.84	7.58	7.85	0.27	37.19	7.26	7.74	0.48	37.45	7.63	9.18	1.55	36.79	7.04	9.14	2.1	37.23	7.15	9.37	2.22	37.09	6.65	9.52	2.87	37.42
MW26	TR-1 SSI	16	21	2	15	45.24	NA	8.58	NA	36.66	NA	8.16	NA	37.08	NA	8.45	NA	36.79	NA	8.01	NA	37.23	NA	8.1	NA	37.14	NA	7.84	NA	37.40
MW27	TR-1 SSI	16	21	2	15	44.78	NA	7.96	NA	36.82	NA	7.45	NA	37.33	NA	7.77	NA	37.01	NA	6.87	NA	37.91	NA	6.88	NA	37.9	---*	---*	---*	---*
MW28	TR-1 SSI	16	21	2	15	44.74	NA	7.35	NA	37.39	NA	7.31	NA	37.43	NA	7.34	NA	37.4	NA	7.16	NA	37.58	NA	7.11	NA	37.63	NA	6.78	NA	37.96
MW29	TR-1 SSI	16	21	4	15	44.78	NA	8.28	NA	36.5	NA	8.02	NA	36.76	NA	8.32	NA	36.46	NA	7.93	NA	36.85	NA	7.97	NA	36.81	NA	7.71	NA	37.07
MW30	TR-1 Degreaser	16	21	4	15	45.67	NA	9.9	NA	35.77	NA	9.78	NA	35.89	NA	9.91	NA	35.76	NA	9.52	NA	36.15	NA	9.47	NA	36.2	NA	9.53	NA	36.14
MW31	TR-1 Degreaser	16	21	2	15	45.05	NA	10.15	NA	34.9	NA	9.91	NA	35.14	9.95	9.96	0.01	35.10	NA	9.36	NA	35.69	NA	9.31	NA	35.74	NA	9.32	NA	35.73
MW32	TR-1 Degreaser	16	21	2	15	45.26	NA	9.09	NA	36.17	NA	8.76	NA	36.5	NA	8.7	NA	36.56	NA	9.59	NA	35.67	NA	8.5	NA	36.76	NA	8.3	NA	36.96
MW33	TR-1 Degreaser	16	21	2	15	45.30	NA	10.48	NA	34.82	NA	10.17	NA	35.13	NA	10.17	NA	35.13	NA	9.33	NA	35.97	NA	9.55	NA	35.75	---*	---*	---*	---*
MW34	TR-1 Degreaser	16	21	2	15	45.32	NA	9.78	NA	35.54	NA	9.68	NA	35.64	NA	9.68	NA	35.64	NA	9.28	NA	36.04	NA	9.23	NA	36.09	NA	9.17	NA	36.15
MW35D	TR-1 Degreaser	59	54	2	15	45.92	NA	13.5	NA	32.42	NA	10.71	NA	35.21	NA	11	NA	34.92	NA	10.57	NA	35.35	NA	10.56	NA	35.36	NA	10.36	NA	35.56
MW36	TR-1 Floor Drain	16	21	4	15	46.25	NA	11.08	NA	35.17	NA	11.79	NA	34.46	NA	11.84	NA	34.41	NA	11.52	NA	34.73	NA	11.39	NA	34.86	NA	11.3	NA	34.95
MW37	TR-1 Floor Drain	16	21	2	15	45.33	NA	11.2	NA	34.13	NA	10.97	NA	34.36	NA	11.02	NA	34.31	NA	10.58	NA	34.75	NA	10.58	NA	34.75	---*	---*	---*	---*
MW38	TR-1 Floor Drain	15	15	2	10	43.04	NA	9.39	NA	33.65	NA	9.11	NA	33.93	NA	9.12	NA	33.92	NA	8.75	NA	34.29	NA	8.67	NA	34.37	NA	8.68	NA	34.36
MW39	TR-1 Floor Drain	16	21	2	15	45.46	NA	11.14	NA	34.32	NA	10.87	NA	34.59	NA	10.96	NA	34.5	NA	10.65	NA	34.81	NA	10.51	NA	34.95	NA	10.37	NA	35.09
MW40D	TR-1 Floor Drain	44	44	2	15	42.95	NA	8.52	NA	34.43	NA	8.1	NA	34.85	NA	8.13	NA	34.82	NA	7.73	NA	35.22	NA	7.69	NA	35.26	NA	7.51	NA	35.44
MW41D	PLR	53	53	2	15	42.82	---	---	---	---	NA	2.59	NA	40.23	NA	2.68	NA	40.14	---	---	---	---	NA	2.12	NA	40.7	NA	1.94	NA	40.88
MW42	PLR	20	18.5	2	15	35.16	---	---	---	---	NA	5.98	NA	29.18	NA	6.07	NA	29.09	---	---	---	---	NA	6.08	NA	29.08	NA	6.01	NA	29.15
MW43	PLR	20	20	2	15	43.70	---	---	---	---	NA	12	NA	31.7	NA	12.49	NA	31.21	---	---	---	---	NA	11.67	NA	32.03	NA	11.12	NA	32.58
MW44	PLR	12	20	2	15	43.04	NA	5.81	NA	37.23	NA	5.91	NA	37.13	NA	5.87	NA	37.17	---	---	---	---	NA	6	NA	37.04	NA	5.91	NA	37.13
MW45	PLR	12	15	2	10	42.72	NA	7.18	NA	35.54	NA	7.4	NA	35.32	NA	7.23	NA	35.49	---	---	---	---	NA	7.68	NA	35.04	NA	7.48	NA	35.24
MW46	PLR	12	20	2	15	42.72	NA	7.32	NA	35.4	NA	7.45	NA	35.27	NA	8	NA	34.72	---	---	---	---	NA	7.93	NA	34.79	NA	7.81	NA	34.91
MW47	PLR	17	20	2	15	43.60	---	---	---	---	NA	10.69	NA	32.91	NA	10.83	NA	32.77	---	---	---	---	NA	10.29	NA	33.31	NA	10.33	NA	33.27
MW48	PLR	20	20	2	15	43.92	---	---	---	---	NA	11.45	NA	32.47	NA	11.91	NA	32.01	---	---	---	---	NA	11.41	NA	32.51	NA	11.04	NA	32.88
MW49	PLR	20	19	2	9	46.25	---	---	---	---	NA	10.41	NA	35.84	NA	10.63	NA	35.62	---	---	---	---	NA	10.51	NA	35.74	NA	10.44	NA	35.81
MW50	PLR	20	20	2	15	43.86	---	---	---	---	NA	11.27	NA	32.59	NA	11.21	NA	32.65	---	---	---	---	NA	11.25	NA	32.61	NA	11.1	NA	32.76
FDPZ01	TR-1 Floor Drain	16	21	1	15	45.82	NA	11.76	NA	34.06	NA	11.37	NA	34.45	NA	11.29	NA	34.53	NA	11.05	NA	34.77	NA	10.98	NA	34.84	NA	10.74	NA	35.08
FDPZ02	TR-1 Floor Drain	16	21	1	15	47.04	NA	13.5	NA	33.54	NA	14.34	NA	32.7	NA	13.31	NA	33.73	NA	13.02	NA	34.02	NA	12.98	NA	34.06	---*	---*	---*	---*
FDPZ03	TR-1 Floor Drain	16	16	1	10	45.37	NA	11.31	NA	34.06	NA	10.73	NA	34.64	NA	10.79	NA	34.58	NA	10.52	NA	34.85	NA	10.37	NA	35	NA	10.27	NA	35.1
FDPZ04	TR-1 Floor Drain	16	16	1	10	45.99	NA	11.88	NA	34.11	NA	11.5	NA	34.49	NA	11.38	NA	34.61	NA	10.86	NA	35.13	NA	11.1	NA	34.89	NA	10.98	NA	35.01
DCDPZ01	TR-1 Degreaser	16	21	1	15	45.87	9.71	9.98	0.27	36.09	10.46	10.47	0.01	35.41	7.67	7.7	0.03	38.19	NA	6.92	NA	38.95	NA	7.08	NA	38.79	NA	6.86	NA	39.01
DCDPZ02	TR-1 Degreaser	16	21	1	15	45.59	NA	10.69	NA	34.9	NA	10.23	NA	35.36	NA	10.07	NA	35.52	NA	9.88	NA	35.71	NA	9.84	NA	35.75	NA	9.68	NA	35.91
DCDPZ03	TR-1 Degreaser	16	14	1	8	45.82	NA	10.31	NA	35.51	NA	10.04	NA	35.78	NA	10.1	NA	35.72	NA	9.77	NA	36.05	NA	9.84	NA	35.98	NA	9.71	NA	36.11
DCDPZ04	TR-1 Degreaser	16	16	1	10	45.95	10.69	10.92	0.23	35.20	10.52	10.64	0.12	35.40	10.59	10.72	0.13	35.32	10.04	10.2	0.16	35.87	10.04	10.21	0.17	35.86	10.05	10.11	0.06	35.88
SSIPZ01	TR-1 SSI	16	18	1	10	45.04	NA	8.63	NA	36.41	NA	8.08	NA	36.96	NA	8.38	NA	36.66	NA	7.93	NA	37.11	NA	8.04	NA	37	NA	7.92	NA	37.12
SSIPZ02	TR-1 SSI	16	16	1	10	45.00	8.04	8.12	0.08	36.94	NA	7.4	NA	37.6	NA	6.27	NA	38.73	NA	7.42	NA	37.58	NA	7.42	NA	37.58	NA	7.19	NA	37.81
SSIPZ03	TR-1 SSI	16	16	1	10	45.42	NA	8.71	NA	36.71	NA	8.56	NA	36.86	NA	8.78	NA	36.64	NA	8.5	NA	36.92	NA	8.55	NA	36.87	NA	7.56	NA	37.86
SSIPZ04	TR-1 SSI	16	16	1	10	45.07	NA	8.37	NA	36.7	7.79	10.39	2.6	36.58	8.26	10.16	1.9	36.30	7.75	10.48	2.73	36.58	7.87	7.88	0.01	37.20	7.4	10.64	3.24	36.80
SSIPZ05	TR-1 SSI	21	21	1	15	44.57	NA	5.32	NA	39.25	NA	4.6	NA	39.97	---	---	---	---	NA	5.44	NA	39.13	NA	5.31	NA	39.26	---*	---*	---*	---*
PLRPZ001	PLR	12	20	1	15	Not Surveyed	---	---	---	---	NA	5.23	NA	Not Surveyed	NA	6.92	NA	Not Surveyed	---	---	---	---	NA	6.52	NA	Not Surveyed	6.32	6.33	0.01	Not Surveyed
PLRPZ002	PLR	12	20	1	15	Not Surveyed	---	---	---	---	NA	7.05	NA	Not Surveyed	NA	8.32	NA	Not Surveyed	---	---	---	---	NA	8.07	NA	Not Surveyed	NA	8.46	NA	Not Surveyed

[yellow] = 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
* Not accessible due to snow and/or ice
NA = Not Applicable
SSI = Sub-Station I
PLR = Parking Lot R

ENSAFE

Appendix C
Monitoring Well Purging Record Forms

MW39 SAMPLING 10/24/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/24/13	JOB NUMBER: 0888814332	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
W ID: MW-39	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: SUNNY/WINDY	AMBIENT TEMP: 46°		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER / MIKE SPINA		

WELL DIA: 2"		
TOTAL DEPTH from TOC (ft.):	START:	FINISH:
DEPTH TO WATER from TOC (ft.): 11.14	VOLUME PURGED (gal):	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 1315	FINISH: 1515
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 2.25gal	
	ANALYSIS: VOCs, PESTs, PCBs, BNAs, METALS	

MNA FIELD RESULTS

FERROUS IRON mg/L	CHLORIDE mg/L	mg/L
SULFIDE mg/L	ALKALINITY mg/L	mg/L
SULFATE mg/L	CO_2 mg/L	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	1345	1350	1355	1400	1405	1410	1415	1420	1425			
pH (units):	7.17	7.17	7.17	7.17	7.17	7.18	7.18	7.19	7.18			
Conductivity (mS/cm):	1.84	1.83	1.82	1.81	1.79	1.77	1.77	1.75	1.74			
Turbidity (NTU):	88.2	71.4	70.3	73.5	70.2	63.2	61.8	53.4	47.6			
DO (mg/L):	1.05	0.35	0.05	0.00	0.00	0.00	0.00	0.00	0.00			
Temperature (C°):	15.08	15.05	15.06	15.19	15.13	15.05	15.10	14.99	14.98			
ORP (mV):	133	139	143	148	151	153	153	152	152			
Volume Purged (gal):	.25gal	.25	.25	.25	.25	.25	.25	.25	.25			
Depth to Water (ft):												

Meter Type: HORIBA ☐ Well Goes Dry While Purging

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARMW39G20131024	10/24/2013	14:30	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS:

Purge water placed in drum#_____

MW37 SAMPLING 10/24/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/24/13	JOB NUMBER: 0888814332	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
WELL ID: MW-37	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: SUNNY	AMBIENT TEMP: 40°		
REVIEWED BY:	PERSONNEL: [redacted] / MIKE SPINA		

WELL DIA: 2"		
TOTAL DEPTH from TOC (ft.):	START:	FINISH:
DEPTH TO WATER from TOC (ft.): 11.20	VOLUME PURGED (gal):	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 0945	FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: VOCs, PESTS, PCBs, BNAs, METALS	

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	10:25	10:40	10:50	11:00	11:10	11:20	11:30					
pH (units):	7.55	7.50	7.49	7.47	7.49	7.47	7.46					
Conductivity (mS/cm):	0.675	0.664	0.658	0.655	0.653	0.651	0.647					
Turbidity (NTU):	911	446	267	137	95.2	52.5	47.8					
DO (mg/L):	1.62	0.31	0.00	0.00	0.00	0.00	0.00					
Temperature (C°):	13.91	14.10	13.97	14.09	14.24	14.26	14.31					
ORP (mV):	119	114	105	97	94	91	93					
Volume Purged (gal):	.5	.5	.5	.5	.5	.5	.6					
Depth to Water (ft):												

Meter Type: HORIBA ☐ Well Goes Dry While Purging

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARMW37B20131024	10/24/2013	1140	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS:

Purge water placed in drum#_____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

FDP2G4 SAMPLING 10/29/13

DATE: 10/29/13	JOB NUMBER: 0888814332	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
ID: FDPZ-04	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 45°F		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER		

WELL DIA: 1"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: / FINISH:
DEPTH TO WATER from TOC (ft.): 11.88	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1552 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: VOCs, PEST, PCBs, BNAs, METALS

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	1604	1609	1614	1619	1624	1629	1634	1639	1644	1649	1654	1659
pH:	7.53	7.55	7.54	7.54	7.53	7.52	7.50	7.49	7.48	7.48	7.48	7.48
Conductivity (mS/cm):	1.41	1.42	1.43	1.46	1.47	1.47	1.49	1.50	1.52	1.54	1.57	1.60
Turbidity (NTU):	245	226	214	198	188	172	162	152	143	140	141	132
DO (mg/L):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperature (C°):	17.14	16.91	16.10	15.62	15.38	15.07	14.70	14.48	14.26	14.07	13.86	13.91
ORP (mV):	-167	-168	-167	-175	-177	-168	-165	-156	-156	-154	-151	-150
Volume Purged (gal):	0.90	0.55	0.70	0.85	1.00	1.15	1.30	1.45	1.60	1.75	1.90	2.05
Depth to Water (ft):	12.23	12.24	12.34	12.26	12.24	12.24	12.23	12.24	12.23	12.31	12.27	12.24

Meter Type: HORIBA ☐ Well Goes Dry While Purging

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARFDPZ04G20131029	10/29/2013	1704	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS:

Purge water placed in drum#

FDP203 SAMPLING 10/29/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/29/13	JOB NUMBER: 0838814332	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
ID: FDPZ-03	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 41°F		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER		

WELL DIA: 1"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: / FINISH:
DEPTH TO WATER from TOC (ft.): 11.31	VOLUME PURGED (gal): /
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1330 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: VOCs, PEST, BNAs, PCBs

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L	/	mg/L
SULFIDE	mg/L	ALKALINITY	mg/L	/	mg/L
SULFATE	mg/L	CO_2	mg/L	/	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	1337	1342	1347	1352	1357	1402	1407	1412	1417	1422		
pH:	7.26	7.27	7.26	7.25	7.25	7.24	7.24	7.24	7.24	7.23		
Conductivity (mS/cm):	1.85	1.89	1.89	1.91	1.92	1.94	1.94	1.93	1.93	1.92		
Turbidity (NTU):	820	282	275	235	216	138	142	94.4	40.2	38.0		
DO (mg/L):	3.40	1.99	1.99	1.07	0.95	0.61	0.61	0.32	1.21	0.45		
Temperature (C°):	15.01	15.15	15.15	15.05	14.94	14.71	14.59	14.39	14.26	14.09		
ORP (mV):	131	128	128	129	128	129	130	130	134	135		
Volume Purged (gal):	0.10	0.20	0.35	0.45	0.60	0.75	0.85	1.00	1.10	1.25		
Depth to Water (ft):	12.54	12.30	12.52	12.54	12.54	12.53	12.53	12.54	12.54	12.54		

Meter Type: HORIBA Well Goes Dry While Purging ☐

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARFDPZ03G20131029	10/29/2013	1427	10	0	
CARFDPZ03H20131029	10/29/2013	1427	10	0	Duplicate

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS: 1341: Pump stopped.

Purge water placed in drum#_____

FDPZ01 SAMPLING 10/29/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/29/13	JOB NUMBER: 0888814332	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
WELL ID: FDPZ-01	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 37°F		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER		

WELL DIA: 1"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: / FINISH:
DEPTH TO WATER from TOC (ft.): 11.76	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1012 / FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: VOC, BNAs, PESTS, PCBs, METALS

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	1029	1034	1039	1044	1049	1054	1059	1104	1109	1114	1119	1124
pH (s.u.):	7.68	7.66	7.67	7.67	7.69	7.71	7.69	7.68	7.66	7.67	7.67	7.65
Conductivity (mS/cm):	0.893	0.886	0.865	0.868	0.846	0.848	0.831	0.835	0.834	0.825	0.819	0.828
Turbidity (NTU):	0.0	883	830	613	455	397	369	332	290	187	210	167
DO (mg/L):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Temperature (C°):	13.21	13.18	13.94	13.46	13.06	12.95	13.52	13.72	12.84	14.38	14.79	14.45
ORP (mV):	-186	-197	-211	-213	-214	-211	-208	-203	-181	-187	-176	-174
Volume Purged (gal):	0.25	0.40	0.55	0.70	0.80	0.90	1.00	1.15	1.25	1.40	1.50	1.60
Depth to Water (ft):	13.69	13.88	14.16	13.51	13.44	13.46	13.80	13.93	14.12	14.71	14.88	14.69

Meter Type: HORIBA ☐ Well Goes Dry While Purging

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARFDPZ01G20131029	10/29/2013	1129	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS: 1040 - 1048: Pump stopped twice.
1115: Turn pump down slightly

Purge water placed in drum#_____

ENSAFE

FDPZ-02 SAMPLING 10/30/13

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/30/13	JOB NUMBER: 088881433a	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
ID: FDPZ-02	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 49°F		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER		

WELL DIA: 1"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: / FINISH:
DEPTH TO WATER from TOC (ft.): 13.50	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1601 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: VOCs, PESTs, PCBs, DNAs, METALS

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	1627	1632	1637	1642	1647	1652	1657	1702	1707	1712	1717	1722
pH (s.u.):	8.61	8.54	8.44	8.35	8.31	8.22	8.20	8.14	8.08	8.05	8.04	8.01
Conductivity (mS/cm):	0.933	0.896	0.892	0.904	0.904	0.905	0.902	0.909	0.915	0.915	0.916	0.918
Turbidity (NTU):	14.7	3.4	2.0	2.0	1.9	1.6	2.3	2.1	2.8	2.6	2.3	3.2
DO (mg/L):	8.87	8.46	7.88	7.37	7.24	5.50	5.84	4.87	4.55	3.03	2.76	2.41
Temperature (C°):	16.91	16.81	16.74	16.15	15.99	15.81	15.70	15.52	15.30	15.24	15.14	15.12
ORP (mV):	-49	-43	-72	-93	-84	-81	-89	-75	-69	-72	-90	-89
Volume Purged (gal):	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40
Depth to Water (ft):	13.87	13.86										

Meter Type: HORIBA Well Goes Dry While Purging ☐

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARFDPZ02G20131030	10/30/2013	1727	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS:

Purge water placed in drum#_____

MW-400 SAMPLING 10/30/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/30/13	JOB NUMBER: 0886814332	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
WELL ID: MW-400	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 52°F		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER		

WELL DIA: 2"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: / FINISH:
DEPTH TO WATER from TOC (ft.): 8.52	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1417 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: VOCs, PESTs, PCBs, BNAs, METALS

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	1426	1431	1436	1441	1446	1451	1456	1501	1506	1511	1516	
pH (s.u.):	8.24	8.02	7.95	7.62	7.47	7.28	7.22	7.17	7.15	7.14	7.12	
Conductivity (mS/cm):	3.96	3.98	3.99	4.00	3.99	4.00	4.01	4.00	4.01	4.01	4.02	
Turbidity (NTU):	258	146	111	105	84.4	84.6	63.8	65.1	67.1	78.0	81.1	
DO (mg/L):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Temperature (C°):	17.10	17.13	17.14	17.05	17.13	17.16	17.16	17.12	17.08	17.01	16.92	
ORP (mV):	-187	-181	-147	-112	-106	-88	-67	-59	-61	-54	-53	
Volume Purged (gal):	0.50	0.70	0.95	1.00	1.20	1.50	1.55	1.70	1.90	2.10	2.30	
Depth to Water (ft):	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	8.60	

Meter Type: HORIBA Well Goes Dry While Purging ☐

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARMW400G20131030	10/30/2013	1521	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS:

Purge water placed in drum#_____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

MW-38 SAMPLING 10/30/13

DATE: 10/30/13	JOB NUMBER: 0888814332	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
ID: MW-38	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Overcast	AMBIENT TEMP: 39°F		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER		

WELL DIA: 2"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: / FINISH:
DEPTH TO WATER from TOC (ft.): 9.39	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1023 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: VOCs, PESTs, PCBs, BNAs, METALS

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description: Peristaltic

Time (hh:mm):	1051	1056	1101	1106	1111								
pH (s.u.):	7.51	7.52	7.52	7.51	7.49								
Conductivity (mS/cm):	0.800	0.823	0.843	0.834	0.843								
Turbidity (NTU):	315	216	148	197	185								
DO (mg/L):	3.20	3.31	3.56	8.20	9.35								
Temperature (C°):	14.45	14.43	14.65	14.98	14.36								
ORP (mV):	83	88	93	98	105								
Volume Purged (gal):	0.85	0.95	1.05	1.15	1.20								
Depth to Water (ft):	12.17	12.32	12.54	12.66	12.66								

Meter Type: HORIBA Well Goes Dry While Purging ☑

SAMPLE DATA

☐ Bailer ☒ Pump Description: Peristaltic

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARMW38G20131030	10/30/2013	1240	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS: 1111: Well running dry. Turn pump off, let recover and return later to collect sample.

1239: W.L. recovered to 10.40'

Purge water placed in drum#_____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

FDP203 Resampling 11/6/13

DATE: 11/6/13	JOB NUMBER: 088881433	PHASE:	TASK:
PROJECT: UTC CARRIER	EVENT:		
W[illegible] ID: FDP2-03	LOCATION: EAST SYRACUSE, NY.		
[illegible]ATHER CONDITIONS: Sunny / Breezy	AMBIENT TEMP: 55°		
REVIEWED BY:	PERSONNEL: ~~BRYAN BRISTER~~ M. SPINA		

WELL DIA: 1"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: 1045 FINISH:
DEPTH TO WATER from TOC (ft.): 11.45	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1045 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: Resample for PCBs

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT / SAMPLING ☐ Bailer ☒ Pump Description:

Time (hh:mm):	1100	1110	1120	1130	1140	1150						
pH (s.u.):	7.49	7.37	7.31	7.28	7.24	7.22						
Conductivity (mS/cm):	2.05	2.05	2.02	2.03	2.00	1.98						
Turbidity (NTU):	200	132	150	138	43.8	33.2						
DO (mg/L):	4.82	2.54	1.30	1.41	0.00	0.00						
Temperature (C°):	17.15	17.16	17.61	17.53	17.73	17.91						
ORP (mV):	139	135	141	144	148	149						
Volume Purged (gal):	.10	.35	.60	.75	1.10	1.5						
Depth to Water (ft):	11.47	11.60	11.97	12.23	12.88	13.06						

Meter Type: HORIBA ☐ Well Goes Dry While Purging

SAMPLE DATA

☐ Bailer ☒ Pump Description: PUMP

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
CARFDP203G20131106	11/6/13	1150	2		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#_____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

FDPZ04 RESAMPLING 11/6/13

DATE: 10/ /13	JOB NUMBER: 088881433	PHASE:	TASK:
PROJECT: UTC CARRIER	EVENT:		
WELL ID: FDPZ04	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: CLOUDY, WINDY	AMBIENT TEMP: 55°		
REVIEWED BY:	PERSONNEL: ~~BRYAN BRISTER~~ M. SPINA		

WELL DIA:	WATER DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: FINISH:
DEPTH TO WATER from TOC (ft.): 11.70	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	**GROUNDWATER SAMPLING**
1 VOLUME OF WATER (gal):	START: 1330 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS:

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: ~~DEVELOPMENT~~ / SAMPLING ☐ Bailer ☒ Pump Description:

Time (hh:mm):	1350	1400	1410	1420	1430	1440						
pH (s.u.):	7.68	7.66	7.63	7.61	7.69	7.59						
Conductivity (mS/cm):	0.972	1.31	1.55	1.66	1.73	1.77						
Turbidity (NTU):	343	181	67.2	40.3	28.6	26.2						
DO (mg/L):	0.00	0.00	0.00	0.00	0.00	0.00						
Temperature (C°):	16.87	16.79	16.51	16.73	16.64	16.60						
ORP (mV):	-132	-130	-127	-123	-120	-117						
Volume Purged (gal):	.25	.50	.90	1.35	1.60	2.0						
Depth to Water (ft):	12.04	12.25	12.58	12.75	12.66	12.80						

Meter Type: HORIBA — Well Goes Dry While Purging ☐

SAMPLE DATA

☐ Bailer ☐ Pump Description:

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
CARFDPZ04G20131106	11/6/13	1450			

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

FDP202 RESAMPLING 11/6/13

DATE: ~~10/~~ ~~/13~~ 11/6/13	JOB NUMBER: 088381433 2	PHASE: 04	TASK:
PROJECT: UTC CARRIER	EVENT:		
WELL ID: FDP202	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS:	AMBIENT TEMP:		
REVIEWED BY:	PERSONNEL: ~~BRYAN BRISTER~~ M. SPINA		

WELL DIA: 1"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: 1328 FINISH:
DEPTH TO WATER from TOC (ft.): 13.54	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 1330 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: Resample for PCB's

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: ~~DEVELOPMENT~~ SAMPLING ☐ Bailer ☒ Pump Description:

Time (hh:mm):	1350	1600	1610	1615								
pH (s.u.):	8.49	7.47	7.79	7.76								
Conductivity (mS/cm):	1.00	1.01	1.00	0.998								
Turbidity (NTU):	160	213	120	120								
DO (mg/L):	0.00	0.00	0.00	0.00								
Temperature (C°):	16.73	16.70	16.71	16.70								
ORP (mV):	-83	-125	-134	-135								
Volume Purged (gal):	.30	.5	.75	.90								
Depth to Water (ft):	13.50	13.52	13.60	13.65								

Meter Type: HORIBA ☐ Well Goes Dry While Purging

SAMPLE DATA

☐ Bailer ☒ Pump Description: PERI

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
~~Duplicate~~	~~11/6/13~~	~~1620~~	~~2~~	~~N~~	~~Duplicate~~
CARFDP202d131106	11/6/13	1620	2		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#

FDP201 RESAMPLING 11/6/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 11/6/13	JOB NUMBER: 088881433	PHASE:	TASK:
PROJECT: UTC CARRIER	EVENT:		
WELL ID: FDP201	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS:	AMBIENT TEMP:		
REVIEWED BY:	PERSONNEL: ~~BRYAN BRISTER~~ M. SPINA		

WELL DIA: 1"	~~WELL DEVELOPMENT~~	
TOTAL DEPTH from TOC (ft.):	START:	FINISH:
DEPTH TO WATER from TOC (ft.):	VOLUME PURGED (gal):	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START:	FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: RESAMPLE FOR PCB's	

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: ~~DEVELOPMENT~~ SAMPLING ☐ Bailer ☒ Pump Description:

Time (hh:mm):	0925	0935	0945	0955	1005	1015						
pH (s.u.):	7.72	7.75	7.73	7.74	7.74	7.75						
Conductivity (mS/cm):	0.986	0.970	0.951	0.948	0.909	0.893						
Turbidity (NTU):	575	342	195	174	129	93.2						
DO (mg/L):	0.00	0.00	0.00	0.00	0.00	0.00						
Temperature (C°):	16.03	15.93	16.02	16.06	16.14	16.10						
ORP (mV):	-69	-85	-87	-92	-96	-95						
Volume Purged (gal):	.5	.75	1.0	1.25	1.50	1.75						
Depth to Water (ft):	11.57	11.70	11.96	12.14	12.30	12.69						

Meter Type: HORIBA ☐ Well Goes Dry While Purging

SAMPLE DATA

☐ Bailer ☒ Pump Description: PERI

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
~~MW-[illegible]~~	----------	----------	----------	----------	----------
CAREDP201G20131106	11/6/13	1025	2	N	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#_____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

MW40D RESAMPLING 11/7/13

DATE: 11/7/13	JOB NUMBER: 036381433	PHASE:	TASK:
PROJECT: UTC CARRIER	EVENT:		
W ID: MW40D	LOCATION: EAST SYRACUSE, NY.		
THER CONDITIONS: RAIN	AMBIENT TEMP: 45°		
REVIEWED BY:	PERSONNEL: ~~BRYAN BRISTER~~ M. SPINA		

WELL DIA:	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: FINISH:
DEPTH TO WATER from TOC (ft.): 8.23	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 0730 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: RESAMPLE FOR PCB'S

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: ~~DEVELOPMENT~~ SAMPLING ☐ Bailer ☒ Pump Description:

Time (hh:mm):	0810	0825	0835	0845	0855							
pH (s.u.):	7.43	7.15	7.08	7.03	7.02							
Conductivity (mS/cm):	4.13	4.15	4.15	4.14	4.13							
Turbidity (NTU):	122	82.7	91.3	58.8	75.0							
DO (mg/L):	0.45	0.00	0.00	0.00	0.00							
Temperature (C°):	15.28	15.19	15.07	15.01	15.05							
ORP (mV):	-25	-22	-18	-14	-12							
Volume Purged (gal):	.25	.60	.90	1.20	1.60							
Depth to Water (ft):	8.55	8.55	8.55	8.55	8.55							

Meter Type: HORIBA Well Goes Dry While Purging ☐

SAMPLE DATA

☐ Bailer ☐ Pump Description:

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
[illegible]	----------	----------	----------	----------	----------
CARMW40DG20131107	11/7/13	0900	2		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#_____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

MW38 Resampling 11/7/13

DATE: 11/7/13	JOB NUMBER: 088881433	PHASE:	TASK:
PROJECT: UTC CARRIER	EVENT:		
W ID: MW38	LOCATION: EAST SYRACUSE, NY.		
THER CONDITIONS: CLOUDY	AMBIENT TEMP: 45		
REVIEWED BY:	PERSONNEL: ~~BRYAN BRISTER~~ M. SPINA		

WELL DIA: ~~MW38~~ 2 inch	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: FINISH:
DEPTH TO WATER from TOC (ft.): 9.20	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 0900 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: RESAMPLE FOR PCB'S

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: ~~DEVELOPMENT~~ / SAMPLING ☐ Bailer ☒ Pump Description:

Time (hh:mm):	0925	0935	0945	0955								
pH (s.u.):	7.52	7.43	7.40									
Conductivity (mS/cm):	1.52	1.39	1.38									
Turbidity (NTU):	174	156	852									
DO (mg/L):	0.36	2.36	2.47									
Temperature (C°):	13.54	14.06	13.91									
ORP (mV):	67	96	112									
Volume Purged (gal):	.25	.5	.75									
Depth to Water (ft):	9.40	9.48	9.40									
Meter Type:	HORIBA								Well Goes Dry While Purging ☐			

SAMPLE DATA

☐ Bailer ☒ Pump Description: PCBs

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
~~MW38~~	~~11/7/13~~	~~1315~~			
CARMW38G20131107	11/7/13	1315			

Purging/Sampling Device Decon Process:

COMMENTS: WELL RAN DRY @ 0952. RETURN @ 1310 TO CHECK WELL. RECHARGED TO 9.20
COLLECT SAMPLE @ 1315

Purge water placed in drum# _____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

MW36 SAMPLING 11/8/13

DATE: ~~10/~~13 11/8/13	JOB NUMBER: 088881433 2	PHASE: 0 2	TASK:
PROJECT: UTC CARRIER	EVENT:		
ID: MW36	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: ORC-#Snow	AMBIENT TEMP: Low 30s		
REVIEWED BY:	PERSONNEL: ~~BRYAN BRISTER~~ J MATTHEWS		

WELL DIA: 2	Purging ~~WELL DEVELOPMENT~~
TOTAL DEPTH from TOC (ft.): 32.1	START: 0749 FINISH:
DEPTH TO WATER from TOC (ft.): 11.08	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 0749 FINISH: 0855
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: V. SVOC (250 ml), Pest (250 ml), PCB (1L)
	RCRA8 met (250 ml)

MNA FIELD RESULTS

FERROUS IRON	mg/L	CHLORIDE	mg/L		mg/L
SULFIDE	mg/L	ALKALINITY	mg/L		mg/L
SULFATE	mg/L	CO_2	mg/L		mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT SAMPLING ☐ Bailer ☒ Pump Description:

Time (hh:mm):	0758	0805	0812	0822	0833							
pH:	7.58	7.49	7.46	7.45	7.44							
Conductivity (mS/cm):	0.724	0.720	0.719	0.722	0.722							
Turbidity (NTU):	124	86.8	23.1	18.1	20.7							
DO (mg/L):	0.47	0.21	0.12	0.07	0.04							
Temperature (C°):	14.00	14.36	14.30	14.32	14.35							
ORP (mV):	161	153	147	141	136							
Volume Purged (gal):	0.75	1.4	1.9	2.1	3.5							
Depth to Water (ft):	11.46	11.46	11.46	11.47	11.47							
					/							
Meter Type:	HORIBA									Well Goes Dry While Purging ☐		

SAMPLE DATA

☐ Bailer ☒ Pump Description:

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
CARMW36G20131108	~~10/~~12813 11/8/13	0850	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

~~TS~~:

Purge water placed in drum#_____

Appendix D
Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

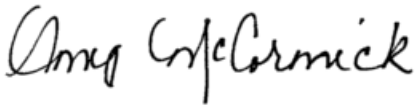
ANALYTICAL REPORT

Job Number: 240-30137-1

Job Description: Former TR-1 Sub-Slab 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 I
11/1/2013 3:34 PM

Amy L McCormick, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/01/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-30137-1

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.

Aroclor-1262 and Aroclor-1268 are 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 samples were received on 10/11/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARMW37509 (240-30137-1) and CARMW39509 (240-30137-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 10/11/2013 and 10/15/2013 and analyzed on 10/23/2013 and 10/24/2013.

m-Xylene & p-Xylene, Tetrachloroethene, trans-1,2-Dichloroethene and Xylenes, Total were detected in method blank MB 240-105649/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Xylenes, Total failed the recovery criteria low for MRL 240-106848/5.

2-Butanone (MEK) and Trichlorofluoromethane failed the recovery criteria high. Xylenes, Total failed the recovery criteria low for MRL 240-106880/20.

The laboratory control sample (LCS) for batch 106880 recovered outside control limits for 1,1,2-Trichloroethane, 1,2-Dichloropropane, Benzene, Chloroform, cis-1,2-Dichloroethene, and Ethylene Dibromide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample TBK (240-30137-3) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 10/15/2013.

Sample TBK (240-30137-3) submitted for volatiles analysis was received with insufficient preservation (pH >2).

Acetone was detected in method blank MB 240-105630/8 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.

The continuing calibration verification (CCV) for Dichlorodifluoromethane associated with batch 105630 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 105630 exceeded control criteria for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes. A low level CCV, at the reporting limit (MRL), was analyzed and the affected compound was detected; therefore, the data has been reported per the SOP.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARMW37509 (240-30137-1) and CARMW39509 (240-30137-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/14/2013 and analyzed on 10/21/2013.

Di-n-butyl phthalate was detected in method blank MB 240-105383/23-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 240-105383/23-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 SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples CARMW37509 (240-30137-1) and CARMW39509 (240-30137-2) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 10/14/2013 and analyzed on 10/29/2013.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for MB 240-105390/5-A.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for CARMW39509MS (240-30137-2MS) and CARMW39509MSD (240-30137-2MSD).

The closing continuing calibration verification (CCV) associated with batch 107445 recovered above the upper control limits on the confirmation column. Samples CARMW37509 (240-30137-1) and CARMW39509 (240-30137-2) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The peaks for DDD and Endosulfan II merged on the primary column. Sample CARMW37509 (240-30137-1) and CARMW39509 (240-30137-2) were non-detect for the affected analytes on the confirmation column; therefore, the data have been reported. QC data for these analytes in batch 105390 have been reported from the confirmation column.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples CARMW37509 (240-30137-1) and CARMW39509 (240-30137-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 10/17/2013 and analyzed on 10/18/2013.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample CARMW39509 (240-30137-2) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/17/2013 and analyzed on 10/22/2013.

Barium was detected in method blank MB 240-105998/1-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.

MERCURY

Sample CARMW39509 (240-30137-2) was analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 10/17/2013 and analyzed on 10/24/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples CARMW37509 (240-30137-1) and CARMW39509 (240-30137-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 10/14/2013.

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: 240-30137-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30137-1	**CARMW37509**					
2-Butanone (MEK)		96	J	910	ug/Kg	8260C
cis-1,2-Dichloroethene		100	J	230	ug/Kg	8260C
Styrene		7.2	J	230	ug/Kg	8260C
trans-1,2-Dichloroethene		39	J B	230	ug/Kg	8260C
Trichloroethene		1800		230	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		200	B	79	ug/Kg	8270D
Di-n-butyl phthalate		55	J B	79	ug/Kg	8270D
alpha-BHC		0.98	J	1.9	ug/Kg	8081B
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture
240-30137-2	**CARMW39509**					
cis-1,2-Dichloroethene		1.5	J *	4.0	ug/Kg	8260C
Methylene Chloride		5.5		4.0	ug/Kg	8260C
trans-1,2-Dichloroethene		0.88	J	4.0	ug/Kg	8260C
Trichloroethene		13		4.0	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		86	B	77	ug/Kg	8270D
Di-n-butyl phthalate		75	J B	77	ug/Kg	8270D
Arsenic		1.8		1.4	mg/Kg	6010C
Barium		15	J B	19	mg/Kg	6010C
Chromium		6.3		0.96	mg/Kg	6010C
Lead		2.7		0.96	mg/Kg	6010C
Percent Solids		91		0.10	%	Moisture
Percent Moisture		8.6		0.10	%	Moisture
240-30137-3TB	**TBK**					
Trichloroethene		1.3		1.0	ug/L	8260C

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-30137-1

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	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL CAN	SW846 8260C	
Purge and Trap	TAL CAN		SW846 5030C

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: 240-30137-1

Method	Analyst	Analyst ID
SW846 8260C	Lata, Todd	TJL2
SW846 8260C	Lavey, Tim	TJL1
SW846 8260C	Quayle, Rick	RJQ
SW846 8270D	Gruber, John	JMG
SW846 8081B	Van Doren, Carolyn	CVD
SW846 8082A	Bosworth, Heather M	HMB
SW846 6010C	Counts, Karen	KLC
SW846 7471B	Martin, Aaron	AMM2
EPA Moisture	Burns, Jill	JMB

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-30137-1	CARMW37509	Solid	10/10/2013 1440	10/11/2013 0920
240-30137-2	CARMW39509	Solid	10/10/2013 1545	10/11/2013 0920
240-30137-3TB	TBK	Water	10/10/2013 0000	10/11/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233239.D
Dilution:	1.0			Initial Weight/Volume:	6.114 g
Analysis Date:	10/23/2013 1823			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		19	230
1,1,2,2-Tetrachloroethane		ND		8.1	230
1,1,2-Trichloroethane		ND		11	230
1,1-Dichloroethane		ND		15	230
1,1-Dichloroethene		ND		16	230
1,2,4-Trichlorobenzene		ND		6.7	230
1,2-Dibromo-3-Chloropropane		ND		46	460
1,2-Dichlorobenzene		ND		7.8	230
1,2-Dichloroethane		ND		9.1	230
1,2-Dichloropropane		ND		7.5	230
1,3-Dichlorobenzene		ND		4.4	230
1,4-Dichlorobenzene		ND		7.3	230
2-Butanone (MEK)		96	J	39	910
2-Hexanone		ND		18	910
4-Methyl-2-pentanone (MIBK)		ND		44	910
Acetone		ND		150	910
Benzene		ND		11	230
Bromoform		ND		17	230
Bromomethane		ND		26	230
Carbon disulfide		ND		11	230
Carbon tetrachloride		ND		5.8	230
Chlorobenzene		ND		5.8	230
Chlorodibromomethane		ND		11	230
Chloroethane		ND		56	230
Chloroform		ND		8.0	230
Chloromethane		ND		13	230
cis-1,2-Dichloroethene		100	J	6.3	230
cis-1,3-Dichloropropene		ND		7.2	230
Dichlorodifluoromethane		ND		15	230
Dichlorobromomethane		ND		9.0	230
Ethylbenzene		ND		4.9	230
Isopropylbenzene		ND		5.9	230
Methyl tert-butyl ether		ND		6.5	230
Methylene Chloride		ND		70	230
Styrene		7.2	J	5.1	230
Tetrachloroethene		ND		11	230
Toluene		ND		15	230
trans-1,2-Dichloroethene		39	J B	8.4	230
trans-1,3-Dichloropropene		ND		18	230
Trichloroethene		1800		8.8	230
Trichlorofluoromethane		ND		15	230
Vinyl chloride		ND		16	230
Xylenes, Total		ND		5.7	460
Ethylene Dibromide		ND		9.1	230

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233239.D
Dilution:	1.0			Initial Weight/Volume:	6.114 g
Analysis Date:	10/23/2013 1823			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		33 - 134
Dibromofluoromethane (Surr)	101		30 - 122
4-Bromofluorobenzene (Surr)	106		26 - 141
1,2-Dichloroethane-d4 (Surr)	96		39 - 128

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233239.D
Dilution:	1.0			Initial Weight/Volume:	6.114 g
Analysis Date:	10/23/2013 1823			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

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

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-105286	Lab File ID:	UX88245.D
Dilution:	1.0			Initial Weight/Volume:	6.802 g
Analysis Date:	10/24/2013 1442			Final Weight/Volume:	5 mL
Prep Date:	10/11/2013 1810				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		5.1	16
Benzene		ND	*	0.18	4.0
Bromoform		ND		0.27	4.0
Bromomethane		ND		0.43	4.0
2-Butanone (MEK)		ND		1.1	16
Carbon disulfide		ND		0.35	4.0
Carbon tetrachloride		ND		0.30	4.0
Chlorobenzene		ND		0.27	4.0
Chlorodibromomethane		ND		0.44	4.0
Chloroethane		ND		0.69	4.0
Chloroform		ND	*	0.23	4.0
Chloromethane		ND		0.33	4.0
cis-1,2-Dichloroethene		1.5	J *	0.29	4.0
cis-1,3-Dichloropropene		ND		0.27	4.0
1,2-Dibromo-3-Chloropropane		ND		1.0	8.0
1,2-Dichlorobenzene		ND		0.29	4.0
1,3-Dichlorobenzene		ND		0.28	4.0
1,4-Dichlorobenzene		ND		0.53	4.0
Dichlorobromomethane		ND		0.23	4.0
Dichlorodifluoromethane		ND		0.40	4.0
1,1-Dichloroethane		ND		0.29	4.0
1,2-Dichloroethane		ND		0.27	4.0
1,1-Dichloroethene		ND		0.42	4.0
1,2-Dichloropropane		ND	*	0.55	4.0
Ethylbenzene		ND		0.21	4.0
Ethylene Dibromide		ND	*	0.40	4.0
2-Hexanone		ND		0.51	16
Isopropylbenzene		ND		0.13	4.0
Methylene Chloride		5.5		0.54	4.0
4-Methyl-2-pentanone (MIBK)		ND		0.43	16
Methyl tert-butyl ether		ND		0.35	4.0
Styrene		ND		0.12	4.0
1,1,2,2-Tetrachloroethane		ND		0.27	4.0
Tetrachloroethene		ND		0.42	4.0
Toluene		ND		0.22	4.0
trans-1,2-Dichloroethene		0.88	J	0.33	4.0
trans-1,3-Dichloropropene		ND		0.43	4.0
1,2,4-Trichlorobenzene		ND		0.22	4.0
1,1,1-Trichloroethane		ND		0.45	4.0
1,1,2-Trichloroethane		ND	*	0.31	4.0
Trichloroethene		13		0.34	4.0
Trichlorofluoromethane		ND		0.27	4.0
Vinyl chloride		ND		0.31	4.0
Xylenes, Total		ND		0.28	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-105286	Lab File ID:	UX88245.D
Dilution:	1.0			Initial Weight/Volume:	6.802 g
Analysis Date:	10/24/2013 1442			Final Weight/Volume:	5 mL
Prep Date:	10/11/2013 1810				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	87		52 - 136
Dibromofluoromethane (Surr)	92		37 - 132
1,2-Dichloroethane-d4 (Surr)	94		58 - 123
Toluene-d8 (Surr)	91		67 - 125

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-105286	Lab File ID:	UX88245.D
Dilution:	1.0			Initial Weight/Volume:	6.802 g
Analysis Date:	10/24/2013 1442			Final Weight/Volume:	5 mL
Prep Date:	10/11/2013 1810				

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

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **TBK**

Lab Sample ID: 240-30137-3TB Date Sampled: 10/10/2013 0000
Client Matrix: Water Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1020.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1817			Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1817				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	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
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	1.3		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **TBK**

Lab Sample ID: 240-30137-3TB Date Sampled: 10/10/2013 0000
Client Matrix: Water Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1020.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1817			Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1817				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		66 - 117
Dibromofluoromethane (Surr)	103		75 - 121
1,2-Dichloroethane-d4 (Surr)	100		63 - 129
Toluene-d8 (Surr)	97		74 - 115

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **TBK**

Lab Sample ID: 240-30137-3TB Date Sampled: 10/10/2013 0000
Client Matrix: Water Date Received: 10/11/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1020.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1817			Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1817				

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

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021022.D
Dilution:	1.0			Initial Weight/Volume:	29.57 g
Analysis Date:	10/21/2013 1813			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.86	7.5
Acenaphthylene		ND		0.40	7.5
Acetophenone		ND		10	110
Anthracene		ND		0.88	7.5
Benzo[a]anthracene		ND		0.71	7.5
Benzo[a]pyrene		ND		0.72	7.5
Benzo[b]fluoranthene		ND		0.67	7.5
Benzo[g,h,i]perylene		ND		0.40	7.5
Benzo[k]fluoranthene		ND		0.77	7.5
Bis(2-chloroethoxy)methane		ND		25	110
Bis(2-chloroethyl)ether		ND		2.3	110
bis (2-chloroisopropyl) ether		ND		11	110
Bis(2-ethylhexyl) phthalate		200	B	21	79
4-Bromophenyl phenyl ether		ND		15	57
Butyl benzyl phthalate		ND		11	79
Carbazole		ND		31	57
4-Chloroaniline		ND		19	170
4-Chloro-3-methylphenol		ND		24	170
2-Chlorophenol		ND		9.3	57
4-Chlorophenyl phenyl ether		ND		15	57
Chrysene		ND		1.2	7.5
Dibenz(a,h)anthracene		ND		0.75	7.5
Dibenzofuran		ND		0.75	57
3,3'-Dichlorobenzidine		ND		20	110
2,4-Dichlorophenol		ND		23	170
Diethyl phthalate		ND		18	79
2,4-Dimethylphenol		ND		23	170
Dimethyl phthalate		ND		19	79
Di-n-butyl phthalate		55	J B	17	79
4,6-Dinitro-2-methylphenol		ND		10	170
2,4-Dinitrophenol		ND		24	370
2,4-Dinitrotoluene		ND		19	230
2,6-Dinitrotoluene		ND		24	230
Di-n-octyl phthalate		ND		8.9	79
Fluoranthene		ND		0.62	7.5
Fluorene		ND		0.60	7.5
Hexachlorobenzene		ND		2.4	7.5
Hexachlorobutadiene		ND		6.3	57
Hexachlorocyclopentadiene		ND		9.2	370
Hexachloroethane		ND		10	57
Indeno[1,2,3-cd]pyrene		ND		0.40	7.5
Isophorone		ND		15	57
2-Methylnaphthalene		ND		0.57	7.5
2-Methylphenol		ND		12	230
3 & 4 Methylphenol		ND		23	450
Naphthalene		ND		0.93	7.5

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021022.D
Dilution:	1.0			Initial Weight/Volume:	29.57 g
Analysis Date:	10/21/2013 1813			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		10	230
3-Nitroaniline		ND		18	230
4-Nitroaniline		ND		29	230
Nitrobenzene		ND		2.5	110
2-Nitrophenol		ND		9.4	57
4-Nitrophenol		ND		19	370
N-Nitrosodi-n-propylamine		ND		7.1	57
N-Nitrosodiphenylamine		ND		24	57
Pentachlorophenol		ND		10	170
Phenanthrene		ND		0.83	7.5
Phenol		ND		8.3	57
Pyrene		ND		0.50	7.5
2,4,5-Trichlorophenol		ND		28	170
2,4,6-Trichlorophenol		ND		10	170

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	41		24 - 110
2-Fluorophenol (Surr)	38		24 - 110
Nitrobenzene-d5 (Surr)	35		20 - 110
Phenol-d5 (Surr)	38		26 - 110
Terphenyl-d14 (Surr)	56		36 - 110
2,4,6-Tribromophenol (Surr)	32		10 - 110

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021023.D
Dilution:	1.0			Initial Weight/Volume:	29.99 g
Analysis Date:	10/21/2013 1837			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.83	7.3
Acenaphthylene		ND		0.38	7.3
Acetophenone		ND		10	110
Anthracene		ND		0.85	7.3
Benzo[a]anthracene		ND		0.69	7.3
Benzo[a]pyrene		ND		0.70	7.3
Benzo[b]fluoranthene		ND		0.65	7.3
Benzo[g,h,i]perylene		ND		0.38	7.3
Benzo[k]fluoranthene		ND		0.74	7.3
Bis(2-chloroethoxy)methane		ND		24	110
Bis(2-chloroethyl)ether		ND		2.2	110
bis (2-chloroisopropyl) ether		ND		10	110
Bis(2-ethylhexyl) phthalate		86	B	21	77
4-Bromophenyl phenyl ether		ND		14	55
Butyl benzyl phthalate		ND		11	77
Carbazole		ND		30	55
4-Chloroaniline		ND		19	160
4-Chloro-3-methylphenol		ND		23	160
2-Chlorophenol		ND		9.0	55
4-Chlorophenyl phenyl ether		ND		14	55
Chrysene		ND		1.2	7.3
Dibenz(a,h)anthracene		ND		0.72	7.3
Dibenzofuran		ND		0.72	55
3,3'-Dichlorobenzidine		ND		20	110
2,4-Dichlorophenol		ND		22	160
Diethyl phthalate		ND		18	77
2,4-Dimethylphenol		ND		22	160
Dimethyl phthalate		ND		19	77
Di-n-butyl phthalate		75	J B	16	77
4,6-Dinitro-2-methylphenol		ND		10	160
2,4-Dinitrophenol		ND		23	360
2,4-Dinitrotoluene		ND		19	220
2,6-Dinitrotoluene		ND		23	220
Di-n-octyl phthalate		ND		8.6	77
Fluoranthene		ND		0.60	7.3
Fluorene		ND		0.58	7.3
Hexachlorobenzene		ND		2.3	7.3
Hexachlorobutadiene		ND		6.1	55
Hexachlorocyclopentadiene		ND		8.9	360
Hexachloroethane		ND		9.8	55
Indeno[1,2,3-cd]pyrene		ND		0.38	7.3
Isophorone		ND		14	55
2-Methylnaphthalene		ND		0.55	7.3
2-Methylphenol		ND		12	220
3 & 4 Methylphenol		ND		22	440
Naphthalene		ND		0.90	7.3

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021023.D
Dilution:	1.0			Initial Weight/Volume:	29.99 g
Analysis Date:	10/21/2013 1837			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		10	220
3-Nitroaniline		ND		18	220
4-Nitroaniline		ND		28	220
Nitrobenzene		ND		2.4	110
2-Nitrophenol		ND		9.1	55
4-Nitrophenol		ND		19	360
N-Nitrosodi-n-propylamine		ND		6.9	55
N-Nitrosodiphenylamine		ND		23	55
Pentachlorophenol		ND		10	160
Phenanthrene		ND		0.80	7.3
Phenol		ND		8.0	55
Pyrene		ND		0.48	7.3
2,4,5-Trichlorophenol		ND		27	160
2,4,6-Trichlorophenol		ND		9.7	160

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	75		24 - 110
2-Fluorophenol (Surr)	71		24 - 110
Nitrobenzene-d5 (Surr)	69		20 - 110
Phenol-d5 (Surr)	71		26 - 110
Terphenyl-d14 (Surr)	98		36 - 110
2,4,6-Tribromophenol (Surr)	65		10 - 110

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105390	Initial Weight/Volume:	30.29 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	10/29/2013 0702			Injection Volume:	1 uL
Prep Date:	10/14/2013 0946			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.3	1.9
alpha-BHC		0.98	J	0.81	1.9
alpha-Chlordane		ND		1.0	1.9
beta-BHC		ND		1.2	1.9
4,4'-DDD		ND		0.68	1.9
4,4'-DDE		ND		0.43	1.9
4,4'-DDT		ND		0.70	1.9
delta-BHC		ND		1.3	1.9
Dieldrin		ND		0.52	1.9
Endosulfan I		ND		0.57	1.9
Endosulfan II		ND		0.91	1.9
Endosulfan sulfate		ND		0.96	1.9
Endrin		ND		0.55	1.9
Endrin aldehyde		ND		1.1	1.9
Endrin ketone		ND		0.70	1.9
gamma-BHC (Lindane)		ND		0.82	1.9
gamma-Chlordane		ND		0.46	1.9
Heptachlor		ND		1.2	1.9
Heptachlor epoxide		ND		0.88	1.9
Methoxychlor		ND		1.7	3.6
Toxaphene		ND		21	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		41 - 157
Tetrachloro-m-xylene	79		40 - 149

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105390	Initial Weight/Volume:	30.29 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	10/29/2013 0702			Injection Volume:	1 uL
Prep Date:	10/14/2013 0946			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		41 - 157
Tetrachloro-m-xylene	94		40 - 149

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105390	Initial Weight/Volume:	29.95 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	10/29/2013 0722			Injection Volume:	1 uL
Prep Date:	10/14/2013 0946			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.3	1.9
alpha-BHC		ND		0.80	1.9
alpha-Chlordane		ND		1.0	1.9
beta-BHC		ND		1.2	1.9
4,4'-DDD		ND		0.68	1.9
4,4'-DDE		ND		0.43	1.9
4,4'-DDT		ND		0.69	1.9
delta-BHC		ND		1.3	1.9
Dieldrin		ND		0.51	1.9
Endosulfan I		ND		0.57	1.9
Endosulfan II		ND		0.90	1.9
Endosulfan sulfate		ND		0.95	1.9
Endrin		ND		0.55	1.9
Endrin aldehyde		ND		1.1	1.9
Endrin ketone		ND		0.69	1.9
gamma-BHC (Lindane)		ND		0.81	1.9
gamma-Chlordane		ND		0.46	1.9
Heptachlor		ND		1.2	1.9
Heptachlor epoxide		ND		0.88	1.9
Methoxychlor		ND		1.6	3.6
Toxaphene		ND		21	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		41 - 157
Tetrachloro-m-xylene	83		40 - 149

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105390	Initial Weight/Volume:	29.95 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	10/29/2013 0722			Injection Volume:	1 uL
Prep Date:	10/14/2013 0946			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		41 - 157
Tetrachloro-m-xylene	101		40 - 149

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106261	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-106002	Initial Weight/Volume:	29.76 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/18/2013 1907			Injection Volume:	1 uL
Prep Date:	10/17/2013 1051			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		15	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37
Aroclor-1262		ND		30	37
Aroclor-1268		ND		16	37

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		14 - 163
Tetrachloro-m-xylene	80		29 - 151

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440
Client Matrix: Solid % Moisture: 10.3 Date Received: 10/11/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106261	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-106002	Initial Weight/Volume:	29.76 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/18/2013 1907			Injection Volume:	1 uL
Prep Date:	10/17/2013 1051			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		14 - 163
Tetrachloro-m-xylene	110		29 - 151

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106261	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-106002	Initial Weight/Volume:	29.72 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/18/2013 1921			Injection Volume:	1 uL
Prep Date:	10/17/2013 1051			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		23	36
Aroclor-1221		ND		18	36
Aroclor-1232		ND		15	36
Aroclor-1242		ND		14	36
Aroclor-1248		ND		19	36
Aroclor-1254		ND		19	36
Aroclor-1260		ND		19	36
Aroclor-1262		ND		30	36
Aroclor-1268		ND		15	36

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		14 - 163
Tetrachloro-m-xylene	72		29 - 151

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106261	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-106002	Initial Weight/Volume:	29.72 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/18/2013 1921			Injection Volume:	1 uL
Prep Date:	10/17/2013 1051			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		14 - 163
Tetrachloro-m-xylene	95		29 - 151

Client: EnSafe, Inc. Job Number: 240-30137-1

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545
Client Matrix: Solid % Moisture: 8.6 Date Received: 10/11/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	10/22/2013 1442			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.8		0.29	1.4
Barium		15	J B	0.068	19
Cadmium		ND		0.035	0.48
Chromium		6.3		0.19	0.96
Lead		2.7		0.18	0.96
Selenium		ND		0.43	1.9
Silver		ND		0.096	0.96

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	10/24/2013 1953			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				

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

General Chemistry

Client Sample ID: **CARMW37509**

Lab Sample ID: 240-30137-1 Date Sampled: 10/10/2013 1440

Client Matrix: Solid Date Received: 10/11/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARMW39509**

Lab Sample ID: 240-30137-2 Date Sampled: 10/10/2013 1545

Client Matrix: Solid Date Received: 10/11/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	8.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	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	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
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

Client: EnSafe, Inc. Job Number: 240-30137-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-105286					
240-30137-2	CARMW39509	T	Solid	5035	
Analysis Batch:240-105630					
LCS 240-105630/6	Lab Control Sample	T	Water	8260C	
MB 240-105630/8	Method Blank	T	Water	8260C	
240-30137-3TB	TBK	T	Water	8260C	
Prep Batch: 240-105649					
LCS 240-105649/2-A	Lab Control Sample	T	Solid	5035	
MB 240-105649/1-A	Method Blank	T	Solid	5035	
240-30137-1	CARMW37509	T	Solid	5035	
Analysis Batch:240-106848					
LCS 240-105649/2-A	Lab Control Sample	T	Solid	8260C	240-105649
MB 240-105649/1-A	Method Blank	T	Solid	8260C	240-105649
240-30137-1	CARMW37509	T	Solid	8260C	240-105649
Analysis Batch:240-106880					
LCS 240-106880/19	Lab Control Sample	T	Solid	8260C	
MB 240-106880/22	Method Blank	T	Solid	8260C	
240-30137-2	CARMW39509	T	Solid	8260C	240-105286

Report Basis
T = Total

GC/MS Semi VOA

Prep Batch: 240-105383					
LCS 240-105383/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-105383/23-A	Method Blank	T	Solid	3540C	
240-30137-1	CARMW37509	T	Solid	3540C	
240-30137-2	CARMW39509	T	Solid	3540C	
Analysis Batch:240-106337					
LCS 240-105383/24-A	Lab Control Sample	T	Solid	8270D	240-105383
MB 240-105383/23-A	Method Blank	T	Solid	8270D	240-105383
240-30137-1	CARMW37509	T	Solid	8270D	240-105383
240-30137-2	CARMW39509	T	Solid	8270D	240-105383

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30137-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-105390					
LCS 240-105390/6-A	Lab Control Sample	T	Solid	3540C	
MB 240-105390/5-A	Method Blank	T	Solid	3540C	
240-30137-1	CARMW37509	T	Solid	3540C	
240-30137-2	CARMW39509	T	Solid	3540C	
240-30137-2MS	Matrix Spike	T	Solid	3540C	
240-30137-2MSD	Matrix Spike Duplicate	T	Solid	3540C	
Prep Batch: 240-106002					
LCS 240-106002/12-A	Lab Control Sample	T	Solid	3540C	
MB 240-106002/11-A	Method Blank	T	Solid	3540C	
240-30137-1	CARMW37509	T	Solid	3540C	
240-30137-2	CARMW39509	T	Solid	3540C	
Analysis Batch:240-106261					
PB 240-106261/2	Preparation / Extraction Blank	T	Solid	8082A	
LCS 240-106002/12-A	Lab Control Sample	T	Solid	8082A	240-106002
MB 240-106002/11-A	Method Blank	T	Solid	8082A	240-106002
240-30137-1	CARMW37509	T	Solid	8082A	240-106002
240-30137-2	CARMW39509	T	Solid	8082A	240-106002
Analysis Batch:240-107445					
PB 240-107445/3	Preparation / Extraction Blank	T	Solid	8081B	
LCS 240-105390/6-A	Lab Control Sample	T	Solid	8081B	240-105390
MB 240-105390/5-A	Method Blank	T	Solid	8081B	240-105390
240-30137-1	CARMW37509	T	Solid	8081B	240-105390
240-30137-2	CARMW39509	T	Solid	8081B	240-105390
240-30137-2MS	Matrix Spike	T	Solid	8081B	240-105390
240-30137-2MSD	Matrix Spike Duplicate	T	Solid	8081B	240-105390

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30137-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-105998					
LCS 240-105998/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-105998/1-A	Method Blank	T	Solid	3050B	
240-30137-2	CARMW39509	T	Solid	3050B	
Prep Batch: 240-106021					
LCS 240-106021/2-A	Lab Control Sample	T	Solid	7471B	
MB 240-106021/1-A	Method Blank	T	Solid	7471B	
240-30137-2	CARMW39509	T	Solid	7471B	
Analysis Batch:240-106684					
LCS 240-105998/2-A	Lab Control Sample	T	Solid	6010C	240-105998
MB 240-105998/1-A	Method Blank	T	Solid	6010C	240-105998
240-30137-2	CARMW39509	T	Solid	6010C	240-105998
Analysis Batch:240-107033					
LCS 240-106021/2-A	Lab Control Sample	T	Solid	7471B	240-106021
MB 240-106021/1-A	Method Blank	T	Solid	7471B	240-106021
240-30137-2	CARMW39509	T	Solid	7471B	240-106021

Report Basis
T = Total

General Chemistry

Analysis Batch:240-105425					
240-30137-1	CARMW37509	T	Solid	Moisture	
240-30137-2	CARMW39509	T	Solid	Moisture	

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 240-30137-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
240-30137-2	CARMW39509	87	92	94	91

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

Client: EnSafe, Inc. Job Number: 240-30137-1

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
MRL 240-106880/20		93	90	95	90
MRL 240-106880/21		96	94	94	97

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	10-150
DBFM = Dibromofluoromethane (Surr)	10-150
BFB = 4-Bromofluorobenzene (Surr)	10-150
DCA = 1,2-Dichloroethane-d4 (Surr)	10-150

Client: EnSafe, Inc. Job Number: 240-30137-1

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
MB 240-106880/22		93	91	89	94
LCS 240-106880/19		103	102	104	105

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: 240-30137-1

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
MRL 240-106848/5		113	114	114	111

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	10-150
DBFM = Dibromofluoromethane (Surr)	10-150
BFB = 4-Bromofluorobenzene (Surr)	10-150
DCA = 1,2-Dichloroethane-d4 (Surr)	10-150

Client: EnSafe, Inc.

Job Number: 240-30137-1

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
240-30137-1	CARMW37509	103	101	106	96
MB 240-105649/1-A		107	107	111	107
LCS 240-105649/2-A		90	95	95	90

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122
BFB = 4-Bromofluorobenzene (Surr)	26-141
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128

Client: EnSafe, Inc.

Job Number: 240-30137-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
240-30137-3	TBK	86	103	100	97

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	66-117
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-115

Client: EnSafe, Inc.

Job Number: 240-30137-1

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
MRL 240-105630/5		94	98	85	93

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	10-150
DBFM = Dibromofluoromethane (Surr)	10-150
BFB = 4-Bromofluorobenzene (Surr)	10-150
DCA = 1,2-Dichloroethane-d4 (Surr)	10-150

Client: EnSafe, Inc.

Job Number: 240-30137-1

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
MB 240-105630/8		95	97	85	93
LCS 240-105630/6		91	90	83	84

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	74-115
DBFM = Dibromofluoromethane (Surr)	75-121
BFB = 4-Bromofluorobenzene (Surr)	66-117
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129

Client: EnSafe, Inc. Job Number: 240-30137-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec
240-30137-1	CARMW37509	41	38	35	38	56	32
240-30137-2	CARMW39509	75	71	69	71	98	65
MB 240-105383/23-A		78	72	73	77	109	55
LCS 240-105383/24-A		69	69	65	69	95	72

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

Client: EnSafe, Inc.

Job Number: 240-30137-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30137-1	CARMW37509	106	92	94	79
240-30137-2	CARMW39509	108	91	101	83
MB 240-105390/5-A		42	33X	30X	25X
LCS 240-105390/6-A		114	96	131	225X
240-30137-2 MS	CARMW39509 MS	110	91	214X	206X
240-30137-2 MSD	CARMW39509 MSD	116	96	152X	172X

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30137-1	CARMW37509	82	75	110	80
240-30137-2	CARMW39509	78	75	95	72
MB 240-106002/11-A		82	81	100	76
LCS 240-106002/12-A		44	83	133	80

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105630

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-105630/8	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1342	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1342				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		0.57	10
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
Acetone	2.38	J	1.1	10
1,3-Dichlorobenzene	ND		0.14	1.0
Benzene	ND		0.13	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
1,1-Dichloroethane	ND		0.15	1.0
Carbon tetrachloride	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
1,1-Dichloroethene	ND		0.19	1.0
Chloroethane	ND		0.29	1.0
1,2-Dichloropropane	ND		0.18	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
2-Hexanone	ND		0.41	10
cis-1,3-Dichloropropene	ND		0.14	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Dichlorobromomethane	ND		0.15	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl tert-butyl ether	ND		0.17	1.0
Methylene Chloride	ND		0.33	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Ethylene Dibromide	ND		0.24	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105630

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-105630/8	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1342	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1342				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	95	74 - 115
Dibromofluoromethane (Surr)	97	75 - 121
4-Bromofluorobenzene (Surr)	85	66 - 117
1,2-Dichloroethane-d4 (Surr)	93	63 - 129

Method Blank TICs- Batch: 240-105630

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

Method Reporting Limit Check - Batch: 240-105630

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 240-105630/5	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1236	Units:	ng/uL	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1236				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Hexanone	0.0100	ND	88	10 - 150	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	94	10 - 150
Dibromofluoromethane (Surr)	98	10 - 150
4-Bromofluorobenzene (Surr)	85	10 - 150
1,2-Dichloroethane-d4 (Surr)	93	10 - 150

Lab Control Sample - Batch: 240-105630

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-105630/6	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1258	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1258				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	50.0	40.8	82	60 - 126	
1,2-Dibromo-3-Chloropropane	25.0	21.7	87	42 - 136	
1,2-Dichlorobenzene	25.0	23.0	92	81 - 110	
Acetone	50.0	47.2	94	43 - 136	
1,3-Dichlorobenzene	25.0	23.1	92	80 - 110	
Benzene	25.0	24.5	98	83 - 112	
1,4-Dichlorobenzene	25.0	22.3	89	82 - 110	
Bromoform	25.0	20.6	83	40 - 131	
Bromomethane	25.0	24.6	98	11 - 185	
Carbon disulfide	25.0	26.3	105	62 - 142	
1,1-Dichloroethane	25.0	24.6	98	82 - 115	
Carbon tetrachloride	25.0	25.9	104	66 - 128	
1,2-Dichloroethane	25.0	23.7	95	71 - 127	
Chlorobenzene	25.0	22.9	92	85 - 110	
Chlorodibromomethane	25.0	21.3	85	64 - 119	
1,1-Dichloroethene	25.0	24.4	98	78 - 131	
Chloroethane	25.0	23.5	94	25 - 153	
1,2-Dichloropropane	25.0	23.9	96	81 - 115	
Chloroform	25.0	24.3	97	79 - 117	
Chloromethane	25.0	23.6	94	44 - 126	
cis-1,2-Dichloroethene	25.0	24.2	97	80 - 113	

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-105630

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-105630/6	Analysis Batch:	240-105630	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	10/15/2013 1258	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 1258				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Hexanone	50.0	37.4	75	55 - 133	
cis-1,3-Dichloropropene	25.0	25.1	101	61 - 115	
Dichlorodifluoromethane	25.0	27.5	110	19 - 129	
Dichlorobromomethane	25.0	25.0	100	72 - 121	
4-Methyl-2-pentanone (MIBK)	50.0	41.5	83	63 - 128	
Ethylbenzene	25.0	24.0	96	83 - 112	
Isopropylbenzene	25.0	26.8	107	75 - 114	
Methyl tert-butyl ether	25.0	22.0	88	52 - 144	
Methylene Chloride	25.0	21.2	85	66 - 131	
m-Xylene & p-Xylene	25.0	23.9	95	83 - 113	
o-Xylene	25.0	24.2	97	83 - 113	
1,1,2,2-Tetrachloroethane	25.0	21.2	85	68 - 118	
Styrene	25.0	24.1	96	79 - 114	
Tetrachloroethene	25.0	25.4	102	79 - 114	
Toluene	25.0	24.1	96	84 - 111	
trans-1,2-Dichloroethene	25.0	25.3	101	83 - 117	
trans-1,3-Dichloropropene	25.0	22.0	88	58 - 117	
1,2,4-Trichlorobenzene	25.0	23.8	95	48 - 135	
1,1,1-Trichloroethane	25.0	27.3	109	74 - 118	
1,1,2-Trichloroethane	25.0	22.7	91	80 - 112	
Ethylene Dibromide	25.0	22.9	92	79 - 113	
Trichloroethene	25.0	26.1	104	76 - 117	
Trichlorofluoromethane	25.0	27.0	108	49 - 157	
Vinyl chloride	25.0	23.9	96	53 - 127	
Xylenes, Total	50.0	48.1	96	83 - 112	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	91	74 - 115
Dibromofluoromethane (Surr)	90	75 - 121
4-Bromofluorobenzene (Surr)	83	66 - 117
1,2-Dichloroethane-d4 (Surr)	84	63 - 129

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105649 **Method: 8260C**
Preparation: 5035

Lab Sample ID:	MB 240-105649/1-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233237.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1734	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		43	1000
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
Acetone	ND		170	1000
1,3-Dichlorobenzene	ND		4.8	250
Benzene	ND		12	250
1,4-Dichlorobenzene	ND		8.0	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
1,1-Dichloroethane	ND		17	250
Carbon tetrachloride	ND		6.4	250
1,2-Dichloroethane	ND		10	250
Chlorobenzene	ND		6.4	250
Chlorodibromomethane	ND		12	250
1,1-Dichloroethene	ND		18	250
Chloroethane	ND		61	250
1,2-Dichloropropane	ND		8.2	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
2-Hexanone	ND		20	1000
cis-1,3-Dichloropropene	ND		7.9	250
Dichlorodifluoromethane	ND		16	250
Dichlorobromomethane	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Ethylbenzene	ND		5.4	250
Isopropylbenzene	ND		6.5	250
Methyl tert-butyl ether	ND		7.1	250
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	19.9	J	6.2	250
o-Xylene	ND		8.5	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
Styrene	ND		5.6	250
Tetrachloroethene	21.0	J	12	250
Toluene	ND		17	250
trans-1,2-Dichloroethene	25.3	J	9.2	250
trans-1,3-Dichloropropene	ND		20	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,1,1-Trichloroethane	ND		21	250
1,1,2-Trichloroethane	ND		12	250
Ethylene Dibromide	ND		10	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105649

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 240-105649/1-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233237.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1734	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	19.9	J	6.2	500

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	107	33 - 134
Dibromofluoromethane (Surr)	107	30 - 122
4-Bromofluorobenzene (Surr)	111	26 - 141
1,2-Dichloroethane-d4 (Surr)	107	39 - 128

Method Blank TICs- Batch: 240-105649

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
109-99-9	Tetrahydrofuran	4.66	80.5	J
	Unknown	2.14	549	T J

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-105649

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 240-105649/2-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1759	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	2000	2080	104	10 - 199	
1,2-Dibromo-3-Chloropropane	1000	873	87	10 - 129	
1,2-Dichlorobenzene	1000	1030	103	68 - 118	
Acetone	2000	1920	96	16 - 156	
1,3-Dichlorobenzene	1000	1040	104	66 - 121	
Benzene	1000	956	96	70 - 117	
1,4-Dichlorobenzene	1000	996	100	65 - 119	
Bromoform	1000	812	81	10 - 117	
Bromomethane	1000	744	74	10 - 114	
Carbon disulfide	1000	465	47	10 - 132	
1,1-Dichloroethane	1000	961	96	63 - 117	
Carbon tetrachloride	1000	975	97	29 - 118	
1,2-Dichloroethane	1000	974	97	68 - 119	
Chlorobenzene	1000	1020	102	71 - 116	
Chlorodibromomethane	1000	861	86	22 - 113	
1,1-Dichloroethene	1000	932	93	44 - 143	
Chloroethane	1000	997	100	10 - 120	
1,2-Dichloropropane	1000	1010	101	73 - 113	
Chloroform	1000	970	97	63 - 116	
Chloromethane	1000	681	68	25 - 110	
cis-1,2-Dichloroethene	1000	928	93	60 - 125	
2-Hexanone	2000	1930	96	43 - 130	
cis-1,3-Dichloropropene	1000	941	94	25 - 120	
Dichlorodifluoromethane	1000	603	60	10 - 110	
Dichlorobromomethane	1000	904	90	28 - 123	
4-Methyl-2-pentanone (MIBK)	2000	1920	96	49 - 121	
Ethylbenzene	1000	1020	102	66 - 119	
Isopropylbenzene	1000	1040	104	61 - 123	
Methyl tert-butyl ether	1000	1020	102	34 - 157	
Methylene Chloride	1000	969	97	27 - 172	
m-Xylene & p-Xylene	1000	1100	110	67 - 118	
o-Xylene	1000	1020	102	68 - 120	
1,1,2,2-Tetrachloroethane	1000	879	88	54 - 121	
Styrene	1000	1040	104	60 - 120	
Tetrachloroethene	1000	1050	105	58 - 131	
Toluene	1000	1020	102	66 - 123	
trans-1,2-Dichloroethene	1000	1090	109	58 - 121	
trans-1,3-Dichloropropene	1000	964	96	22 - 122	
1,2,4-Trichlorobenzene	1000	1070	107	41 - 135	
1,1,1-Trichloroethane	1000	1000	100	38 - 122	
1,1,2-Trichloroethane	1000	912	91	74 - 114	

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-105649

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 240-105649/2-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1759	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	1000	944	94	47 - 123	
Trichloroethene	1000	1000	100	59 - 124	
Trichlorofluoromethane	1000	1020	102	17 - 145	
Vinyl chloride	1000	758	76	33 - 110	
Xylenes, Total	2000	2120	106	68 - 119	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	90	33 - 134
Dibromofluoromethane (Surr)	95	30 - 122
4-Bromofluorobenzene (Surr)	95	26 - 141
1,2-Dichloroethane-d4 (Surr)	90	39 - 128

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Reporting Limit Check - Batch: 240-106848 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MRL 240-106848/5	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	U1233236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/23/2013 1710	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	0.00200	ND	205	10 - 150	^
1,2-Dibromo-3-Chloropropane	0.00100	ND	75	10 - 150	
1,2-Dichlorobenzene	0.00100	ND	125	10 - 150	
Acetone	0.00200	ND	24	10 - 150	
1,3-Dichlorobenzene	0.00100	ND	129	10 - 150	
Benzene	0.00100	ND	131	10 - 150	
1,4-Dichlorobenzene	0.00100	ND	122	10 - 150	
Bromoform	0.00100	ND	85	10 - 150	
Bromomethane	0.00100	ND	140	10 - 150	
Carbon disulfide	0.00100	ND	109	10 - 150	
1,1-Dichloroethane	0.00100	ND	122	10 - 150	
Carbon tetrachloride	0.00100	ND	131	10 - 150	
1,2-Dichloroethane	0.00100	ND	129	10 - 150	
Chlorobenzene	0.00100	ND	128	10 - 150	
Chlorodibromomethane	0.00100	ND	107	10 - 150	
1,1-Dichloroethene	0.00100	ND	109	10 - 150	
Chloroethane	0.00100	ND	128	10 - 150	
1,2-Dichloropropane	0.00100	ND	139	10 - 150	
Chloroform	0.00100	ND	115	10 - 150	
Chloromethane	0.00100	ND	122	10 - 150	
cis-1,2-Dichloroethene	0.00100	ND	128	10 - 150	
2-Hexanone	0.00200	ND	104	10 - 150	
cis-1,3-Dichloropropene	0.00100	ND	105	10 - 150	
Dichlorodifluoromethane	0.00100	ND	125	10 - 150	
Dichlorobromomethane	0.00100	ND	114	10 - 150	
4-Methyl-2-pentanone (MIBK)	0.00200	ND	113	10 - 150	
Ethylbenzene	0.00100	ND	115	10 - 150	
Isopropylbenzene	0.00100	ND	106	10 - 150	
Methyl tert-butyl ether	0.00100	ND	122	10 - 150	
Methylene Chloride	0.00100	ND	61	10 - 150	
m-Xylene & p-Xylene	0.00100	ND	112	10 - 150	
o-Xylene	0.00100	ND	106	10 - 150	
1,1,2,2-Tetrachloroethane	0.00100	ND	110	10 - 150	
Styrene	0.00100	ND	114	10 - 150	
Tetrachloroethene	0.00100	ND	99	10 - 150	
Toluene	0.00100	ND	131	10 - 150	
trans-1,2-Dichloroethene	0.00100	ND	124	10 - 150	
trans-1,3-Dichloropropene	0.00100	ND	106	10 - 150	
1,2,4-Trichlorobenzene	0.00100	ND	112	10 - 150	
1,1,1-Trichloroethane	0.00100	ND	132	10 - 150	
1,1,2-Trichloroethane	0.00100	ND	116	10 - 150	

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Reporting Limit Check - Batch: 240-106848

Method: 8260C
Preparation: N/A

Lab Sample ID:	MRL 240-106848/5	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	U1233236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/23/2013 1710	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	0.00100	ND	123	10 - 150	
Trichloroethene	0.00100	ND	107	10 - 150	
Trichlorofluoromethane	0.00100	ND	162	10 - 150	^
Vinyl chloride	0.00100	ND	124	10 - 150	
Xylenes, Total	0.00200	ND	0	10 - 150	^

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	113	10 - 150
Dibromofluoromethane (Surr)	114	10 - 150
4-Bromofluorobenzene (Surr)	114	10 - 150
1,2-Dichloroethane-d4 (Surr)	111	10 - 150

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-106880 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MB 240-106880/22	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88239.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/24/2013 1233	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		1.4	20
1,2-Dibromo-3-Chloropropane	ND		1.3	10
1,2-Dichlorobenzene	ND		0.36	5.0
Acetone	ND		6.3	20
1,3-Dichlorobenzene	ND		0.35	5.0
Benzene	ND		0.23	5.0
1,4-Dichlorobenzene	ND		0.66	5.0
Bromoform	ND		0.33	5.0
Bromomethane	ND		0.54	5.0
Carbon disulfide	ND		0.44	5.0
1,1-Dichloroethane	ND		0.36	5.0
Carbon tetrachloride	ND		0.37	5.0
1,2-Dichloroethane	ND		0.34	5.0
Chlorobenzene	ND		0.33	5.0
Chlorodibromomethane	ND		0.55	5.0
1,1-Dichloroethene	ND		0.52	5.0
Chloroethane	ND		0.86	5.0
1,2-Dichloropropane	ND		0.69	5.0
Chloroform	ND		0.29	5.0
Chloromethane	ND		0.41	5.0
cis-1,2-Dichloroethene	ND		0.36	5.0
2-Hexanone	ND		0.63	20
cis-1,3-Dichloropropene	ND		0.34	5.0
Dichlorodifluoromethane	ND		0.50	5.0
Dichlorobromomethane	ND		0.28	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.54	20
Ethylbenzene	ND		0.26	5.0
Isopropylbenzene	ND		0.16	5.0
Methyl tert-butyl ether	ND		0.43	5.0
Methylene Chloride	ND		0.67	5.0
m-Xylene & p-Xylene	ND		1.2	10
o-Xylene	ND		0.35	5.0
1,1,2,2-Tetrachloroethane	ND		0.34	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
1,2,4-Trichlorobenzene	ND		0.27	5.0
1,1,1-Trichloroethane	ND		0.56	5.0
1,1,2-Trichloroethane	ND		0.39	5.0
Ethylene Dibromide	ND		0.50	5.0
Trichloroethene	ND		0.42	5.0
Trichlorofluoromethane	ND		0.34	5.0
Vinyl chloride	ND		0.39	5.0

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-106880 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MB 240-106880/22	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88239.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/24/2013 1233	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.35	10

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	93	67 - 125
Dibromofluoromethane (Surr)	91	37 - 132
4-Bromofluorobenzene (Surr)	89	52 - 136
1,2-Dichloroethane-d4 (Surr)	94	58 - 123

Method Blank TICs- Batch: 240-106880

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-106880 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	LCS 240-106880/19	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/24/2013 1129	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	50.0	62.1	124	52 - 131	
1,2-Dibromo-3-Chloropropane	25.0	24.8	99	61 - 132	
1,2-Dichlorobenzene	25.0	27.3	109	76 - 110	
Acetone	50.0	66.1	132	41 - 137	
1,3-Dichlorobenzene	25.0	25.9	104	78 - 111	
Benzene	25.0	28.2	113	79 - 112	*
1,4-Dichlorobenzene	25.0	25.4	101	75 - 110	
Bromoform	25.0	28.7	115	62 - 133	
Bromomethane	25.0	28.2	113	42 - 136	
Carbon disulfide	25.0	28.1	112	62 - 146	
1,1-Dichloroethane	25.0	27.8	111	76 - 115	
Carbon tetrachloride	25.0	28.5	114	71 - 129	
1,2-Dichloroethane	25.0	28.4	114	72 - 120	
Chlorobenzene	25.0	27.1	108	78 - 110	
Chlorodibromomethane	25.0	28.7	115	72 - 127	
1,1-Dichloroethene	25.0	26.5	106	75 - 135	
Chloroethane	25.0	26.2	105	58 - 117	
1,2-Dichloropropane	25.0	29.1	116	87 - 113	*
Chloroform	25.0	28.7	115	77 - 114	*
Chloromethane	25.0	25.6	102	50 - 110	
cis-1,2-Dichloroethene	25.0	28.6	114	76 - 113	*
2-Hexanone	50.0	62.3	125	64 - 136	
cis-1,3-Dichloropropene	25.0	30.6	123	74 - 128	
Dichlorodifluoromethane	25.0	24.9	99	26 - 113	
Dichlorobromomethane	25.0	29.0	116	84 - 122	
4-Methyl-2-pentanone (MIBK)	50.0	67.6	135	67 - 135	
Ethylbenzene	25.0	27.2	109	79 - 117	
Isopropylbenzene	25.0	26.9	107	76 - 122	
Methyl tert-butyl ether	25.0	31.4	125	49 - 165	
Methylene Chloride	25.0	29.4	118	75 - 118	
m-Xylene & p-Xylene	25.0	27.1	109	80 - 117	
o-Xylene	25.0	28.7	115	80 - 120	
1,1,2,2-Tetrachloroethane	25.0	27.8	111	77 - 123	
Styrene	25.0	27.8	111	87 - 117	
Tetrachloroethene	25.0	26.0	104	79 - 114	
Toluene	25.0	27.1	108	75 - 111	
trans-1,2-Dichloroethene	25.0	28.4	113	78 - 117	
trans-1,3-Dichloropropene	25.0	32.1	128	73 - 131	
1,2,4-Trichlorobenzene	25.0	22.5	90	64 - 124	
1,1,1-Trichloroethane	25.0	27.7	111	77 - 126	
1,1,2-Trichloroethane	25.0	28.5	114	83 - 112	*

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-106880

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 240-106880/19	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/24/2013 1129	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	25.0	29.5	118	83 - 117	*
Trichloroethene	25.0	27.9	112	79 - 113	
Trichlorofluoromethane	25.0	25.7	103	57 - 146	
Vinyl chloride	25.0	26.5	106	57 - 114	
Xylenes, Total	50.0	55.8	112	80 - 118	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	103	67 - 125
Dibromofluoromethane (Surr)	102	37 - 132
4-Bromofluorobenzene (Surr)	104	52 - 136
1,2-Dichloroethane-d4 (Surr)	105	58 - 123

Method Reporting Limit Check - Batch: 240-106880

Method: 8260C
Preparation: N/A

Lab Sample ID:	MRL 240-106880/20	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88237.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/24/2013 1150	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	0.0100	ND	107	10 - 150	
1,2-Dibromo-3-Chloropropane	0.00500	ND	110	10 - 150	
1,2-Dichlorobenzene	0.00500	ND	108	10 - 150	
Acetone	0.0100	ND	113	10 - 150	
1,3-Dichlorobenzene	0.00500	ND	102	10 - 150	
Benzene	0.00500	ND	112	10 - 150	
1,4-Dichlorobenzene	0.00500	ND	99	10 - 150	
Bromoform	0.00500	ND	88	10 - 150	
Bromomethane	0.00500	ND	107	10 - 150	
Carbon disulfide	0.00500	ND	103	10 - 150	
1,1-Dichloroethane	0.00500	ND	107	10 - 150	
Carbon tetrachloride	0.00500	ND	98	10 - 150	
1,2-Dichloroethane	0.00500	ND	113	10 - 150	
Chlorobenzene	0.00500	ND	110	10 - 150	
Chlorodibromomethane	0.00500	ND	99	10 - 150	
1,1-Dichloroethene	0.00500	ND	103	10 - 150	
Chloroethane	0.00500	ND	99	10 - 150	

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Reporting Limit Check - Batch: 240-106880 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MRL 240-106880/20	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88237.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/24/2013 1150	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dichloropropane	0.00500	ND	114	10 - 150	
Chloroform	0.00500	ND	115	10 - 150	
Chloromethane	0.00500	ND	97	10 - 150	
cis-1,2-Dichloroethene	0.00500	ND	115	10 - 150	
2-Hexanone	0.0100	ND	98	10 - 150	
cis-1,3-Dichloropropene	0.00500	ND	93	10 - 150	
Dichlorodifluoromethane	0.00500	ND	95	10 - 150	
Dichlorobromomethane	0.00500	ND	105	10 - 150	
4-Methyl-2-pentanone (MIBK)	0.0100	ND	101	10 - 150	
Ethylbenzene	0.00500	ND	106	10 - 150	
Isopropylbenzene	0.00500	ND	98	10 - 150	
Methyl tert-butyl ether	0.00500	ND	107	10 - 150	
Methylene Chloride	0.00500	ND	127	10 - 150	
m-Xylene & p-Xylene	0.00500	ND	101	10 - 150	
o-Xylene	0.00500	ND	107	10 - 150	
1,1,2,2-Tetrachloroethane	0.00500	ND	114	10 - 150	
Styrene	0.00500	ND	93	10 - 150	
Tetrachloroethene	0.00500	ND	97	10 - 150	
Toluene	0.00500	ND	111	10 - 150	
trans-1,2-Dichloroethene	0.00500	ND	110	10 - 150	
trans-1,3-Dichloropropene	0.00500	ND	92	10 - 150	
1,2,4-Trichlorobenzene	0.00500	ND	83	10 - 150	
1,1,1-Trichloroethane	0.00500	ND	104	10 - 150	
1,1,2-Trichloroethane	0.00500	ND	103	10 - 150	
Ethylene Dibromide	0.00500	ND	97	10 - 150	
Trichloroethene	0.00500	ND	106	10 - 150	
Trichlorofluoromethane	0.00500	ND	92	10 - 150	
Vinyl chloride	0.00500	ND	102	10 - 150	
Xylenes, Total	0.0100	ND	0	10 - 150	^

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	93	10 - 150
Dibromofluoromethane (Surr)	90	10 - 150
4-Bromofluorobenzene (Surr)	95	10 - 150
1,2-Dichloroethane-d4 (Surr)	90	10 - 150

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	10 - 150
Dibromofluoromethane (Surr)	94	10 - 150
4-Bromofluorobenzene (Surr)	94	10 - 150
1,2-Dichloroethane-d4 (Surr)	97	10 - 150

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-105383/23-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1145	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.76	6.7
Acenaphthylene	ND		0.35	6.7
Acetophenone	ND		9.2	100
Anthracene	ND		0.78	6.7
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-chloroisopropyl) ether	ND		9.5	100
Bis(2-ethylhexyl) phthalate	52.5	J	19	70
4-Bromophenyl phenyl ether	ND		13	50
Butyl benzyl phthalate	ND		10	70
Carbazole	ND		27	50
4-Chloroaniline	ND		17	150
4-Chloro-3-methylphenol	ND		21	150
2-Chlorophenol	ND		8.2	50
4-Chlorophenyl phenyl ether	ND		13	50
Chrysene	ND		1.1	6.7
Dibenz(a,h)anthracene	ND		0.66	6.7
Dibenzofuran	ND		0.66	50
3,3'-Dichlorobenzidine	ND		18	100
2,4-Dichlorophenol	ND		20	150
Diethyl phthalate	ND		16	70
2,4-Dimethylphenol	ND		20	150
Dimethyl phthalate	ND		17	70
Di-n-butyl phthalate	135		15	70
4,6-Dinitro-2-methylphenol	ND		9.2	150
2,4-Dinitrophenol	ND		21	330
2,4-Dinitrotoluene	ND		17	200
2,6-Dinitrotoluene	ND		21	200
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
2-Methylnaphthalene	ND		0.50	6.7
2-Methylphenol	ND		11	200
3 & 4 Methylphenol	ND		20	400

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-105383/23-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1145	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Naphthalene	ND		0.82	6.7
2-Nitroaniline	ND		9.1	200
3-Nitroaniline	ND		16	200
4-Nitroaniline	ND		26	200
Nitrobenzene	ND		2.2	100
2-Nitrophenol	ND		8.3	50
4-Nitrophenol	ND		17	330
N-Nitrosodi-n-propylamine	ND		6.3	50
N-Nitrosodiphenylamine	ND		21	50
Pentachlorophenol	ND		9.1	150
Phenanthrene	ND		0.73	6.7
Phenol	ND		7.3	50
Pyrene	ND		0.44	6.7
2,4,5-Trichlorophenol	ND		25	150
2,4,6-Trichlorophenol	ND		8.9	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	78	24 - 110
2-Fluorophenol (Surr)	72	24 - 110
Nitrobenzene-d5 (Surr)	73	20 - 110
Phenol-d5 (Surr)	77	26 - 110
Terphenyl-d14 (Surr)	109	36 - 110
2,4,6-Tribromophenol (Surr)	55	10 - 110

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-105383/24-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1209	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	451	68	38 - 110	
Acenaphthylene	667	412	62	40 - 110	
Acetophenone	667	400	60	40 - 110	
Anthracene	667	486	73	48 - 110	
Benzo[a]anthracene	667	501	75	50 - 110	
Benzo[a]pyrene	667	481	72	44 - 110	
Benzo[b]fluoranthene	667	502	75	43 - 110	
Benzo[g,h,i]perylene	667	503	75	51 - 110	
Benzo[k]fluoranthene	667	520	78	38 - 105	
Bis(2-chloroethoxy)methane	667	440	66	32 - 110	
Bis(2-chloroethyl)ether	667	429	64	34 - 110	
bis (2-chloroisopropyl) ether	667	423	63	29 - 110	
Bis(2-ethylhexyl) phthalate	667	513	77	50 - 110	
4-Bromophenyl phenyl ether	667	482	72	39 - 110	
Butyl benzyl phthalate	667	496	74	51 - 110	
Carbazole	667	532	80	50 - 110	
4-Chloroaniline	667	378	57	30 - 110	
4-Chloro-3-methylphenol	667	463	69	48 - 110	
2-Chlorophenol	667	434	65	37 - 110	
4-Chlorophenyl phenyl ether	667	447	67	40 - 110	
Chrysene	667	494	74	50 - 110	
Dibenz(a,h)anthracene	667	514	77	51 - 110	
Dibenzofuran	667	444	67	43 - 110	
3,3'-Dichlorobenzidine	1330	1010	76	28 - 110	
2,4-Dichlorophenol	667	452	68	39 - 110	
Diethyl phthalate	667	464	70	52 - 110	
2,4-Dimethylphenol	667	430	65	29 - 110	
Dimethyl phthalate	667	449	67	50 - 110	
Di-n-butyl phthalate	667	549	82	51 - 110	
4,6-Dinitro-2-methylphenol	1330	724	54	10 - 110	
2,4-Dinitrophenol	1330	603	45	10 - 110	
2,4-Dinitrotoluene	667	477	72	48 - 110	
2,6-Dinitrotoluene	667	446	67	45 - 110	
Di-n-octyl phthalate	667	484	73	48 - 110	
Fluoranthene	667	496	74	51 - 110	
Fluorene	667	456	68	46 - 110	
Hexachlorobenzene	667	456	68	43 - 110	
Hexachlorobutadiene	667	420	63	29 - 110	
Hexachlorocyclopentadiene	667	308	46	12 - 110	J
Hexachloroethane	667	429	64	30 - 110	
Indeno[1,2,3-cd]pyrene	667	491	74	50 - 110	

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-105383/24-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1209	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isophorone	667	413	62	36 - 110	
2-Methylnaphthalene	667	442	66	36 - 110	
2-Methylphenol	667	422	63	41 - 110	
3 & 4 Methylphenol	667	464	70	40 - 110	
Naphthalene	667	416	62	36 - 110	
2-Nitroaniline	667	463	69	45 - 110	
3-Nitroaniline	667	470	70	44 - 110	
4-Nitroaniline	667	504	76	48 - 110	
Nitrobenzene	667	423	64	32 - 110	
2-Nitrophenol	667	430	64	34 - 110	
4-Nitrophenol	1330	916	69	28 - 110	
N-Nitrosodi-n-propylamine	667	438	66	38 - 110	
N-Nitrosodiphenylamine	1330	949	71	46 - 110	
Pentachlorophenol	1330	809	61	10 - 110	
Phenanthrene	667	459	69	49 - 110	
Phenol	667	435	65	38 - 110	
Pyrene	667	495	74	49 - 110	
2,4,5-Trichlorophenol	667	437	66	25 - 110	
2,4,6-Trichlorophenol	667	427	64	12 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	69	24 - 110
2-Fluorophenol (Surr)	69	24 - 110
Nitrobenzene-d5 (Surr)	65	20 - 110
Phenol-d5 (Surr)	69	26 - 110
Terphenyl-d14 (Surr)	95	36 - 110
2,4,6-Tribromophenol (Surr)	72	10 - 110

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105390 **Method: 8081B**
Preparation: 3540C

Lab Sample ID:	MB 240-105390/5-A	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105390	Lab File ID:	P3102916.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	10/29/2013 0823	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	10/14/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
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
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	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
Methoxychlor	ND		1.5	3.3
Toxaphene	ND		19	67

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	42		41 - 157
Tetrachloro-m-xylene	30	X	40 - 149

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	33	X	41 - 157
Tetrachloro-m-xylene	25	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30137-1

Lab Control Sample - Batch: 240-105390

Method: 8081B
Preparation: 3540C

Lab Sample ID:	LCS 240-105390/6-A	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105390	Lab File ID:	P3102917.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	10/29/2013 0843	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	10/14/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	33.3	31.6	95	40 - 145	
alpha-BHC	33.3	32.0	96	50 - 153	
alpha-Chlordane	33.3	32.3	97	42 - 150	
beta-BHC	33.3	31.5	95	43 - 153	
4,4'-DDD	33.3	45.6	137	53 - 160	
4,4'-DDE	33.3	32.3	97	46 - 143	
4,4'-DDT	33.3	47.6	143	40 - 157	
delta-BHC	33.3	35.3	106	54 - 152	
Dieldrin	33.3	33.9	102	51 - 154	
Endosulfan I	33.3	25.1	75	40 - 148	
Endosulfan II	33.3	32.4	97	42 - 137	
Endosulfan sulfate	33.3	37.1	111	50 - 153	
Endrin	33.3	39.3	118	55 - 147	
Endrin aldehyde	33.3	32.0	96	43 - 158	
Endrin ketone	33.3	37.2	111	41 - 142	
gamma-BHC (Lindane)	33.3	33.8	101	44 - 160	
gamma-Chlordane	33.3	33.0	99	47 - 156	
Heptachlor	33.3	36.3	109	47 - 137	
Heptachlor epoxide	33.3	32.9	99	53 - 153	
Methoxychlor	33.3	39.9	120	40 - 152	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	41 - 157
Tetrachloro-m-xylene	131	40 - 149

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	114		41 - 157
Tetrachloro-m-xylene	225	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30137-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-105390

Method: 8081B
Preparation: 3540C

MS Lab Sample ID:	240-30137-2	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105390	Lab File ID:	P3102914.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.94 g
Analysis Date:	10/29/2013 0742			Final Weight/Volume:	10.0 mL
Prep Date:	10/14/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-30137-2	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105390	Lab File ID:	P3102915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.06 g
Analysis Date:	10/29/2013 0803			Final Weight/Volume:	10.0 mL
Prep Date:	10/14/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	97	101	41 - 137	3	40		
alpha-BHC	93	102	22 - 160	9	40		
alpha-Chlordane	91	96	38 - 145	4	40		
beta-BHC	101	106	27 - 160	4	40		
4,4'-DDD	125	131	16 - 160	4	40		
4,4'-DDE	92	97	37 - 150	6	40		
4,4'-DDT	137	140	24 - 160	2	40		
delta-BHC	105	110	10 - 160	4	40		
Dieldrin	97	102	37 - 160	4	40		
Endosulfan I	72	76	10 - 160	5	40		
Endosulfan II	90	93	16 - 150	3	40		
Endosulfan sulfate	106	109	10 - 160	2	40		
Endrin	112	117	41 - 160	5	40		
Endrin aldehyde	132	120	10 - 160	9	38		
Endrin ketone	107	113	11 - 160	6	40		
gamma-BHC (Lindane)	97	104	18 - 160	7	40		
gamma-Chlordane	93	99	33 - 160	5	40		
Heptachlor	97	108	26 - 160	10	40		
Heptachlor epoxide	94	101	43 - 160	6	29		
Methoxychlor	118	134	10 - 160	12	39		

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	91		96		41 - 157
Tetrachloro-m-xylene	206	X	172	X	40 - 149

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	110		116		41 - 157
Tetrachloro-m-xylene	214	X	152	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30137-1

Preparation / Extraction Blank - Batch: 240-107445 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-107445/3	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3102903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/29/2013 0359	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Preparation / Extraction Blank - Batch: 240-107445 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-107445/3	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3102903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/29/2013 0359	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-106002 **Method: 8082A**
Preparation: 3540C

Lab Sample ID:	MB 240-106002/11-A	Analysis Batch:	240-106261	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-106002	Lab File ID:	P1200015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/18/2013 2102	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/17/2013 1051			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33
Aroclor-1262	ND		27	33
Aroclor-1268	ND		14	33

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

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	14 - 163
Tetrachloro-m-xylene	100	29 - 151

Lab Control Sample - Batch: 240-106002 **Method: 8082A**
Preparation: 3540C

Lab Sample ID:	LCS 240-106002/12-A	Analysis Batch:	240-106261	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-106002	Lab File ID:	P1200016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/18/2013 2117	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/17/2013 1051			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	256	77	62 - 120	
Aroclor-1260	333	267	80	56 - 122	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	14 - 163
Tetrachloro-m-xylene	80	29 - 151

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	44	14 - 163
Tetrachloro-m-xylene	133	29 - 151

Client: EnSafe, Inc. Job Number: 240-30137-1

Preparation / Extraction Blank - Batch: 240-106261

Method: 8082A
Preparation: N/A

Lab Sample ID:	PB 240-106261/2	Analysis Batch:	240-106261	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1200002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/18/2013 1754	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
Aroclor-1016	ND		63	99
Aroclor-1221	ND		48	99
Aroclor-1232	ND		42	99
Aroclor-1242	ND		39	99
Aroclor-1248	ND		51	99
Aroclor-1254	ND		51	99
Aroclor-1260	ND		51	99
Aroclor-1262	ND		81	99
Aroclor-1268	ND		42	99

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

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

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-105998

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 240-105998/1-A	Analysis Batch:	240-106684	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/22/2013 1234	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.30	1.5
Barium	0.0989	J	0.071	20
Cadmium	ND		0.036	0.50
Chromium	ND		0.20	1.0
Lead	ND		0.19	1.0
Selenium	ND		0.45	2.0
Silver	ND		0.10	1.0

Lab Control Sample - Batch: 240-105998

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 240-105998/2-A	Analysis Batch:	240-106684	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/22/2013 1238	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	195	97	80 - 120	
Barium	200	191	95	80 - 120	
Cadmium	5.00	4.88	98	80 - 120	
Chromium	20.0	19.1	96	80 - 120	
Lead	50.0	47.1	94	80 - 120	
Selenium	200	192	96	80 - 120	
Silver	5.00	4.94	99	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30137-1

Method Blank - Batch: 240-106021

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 240-106021/1-A	Analysis Batch:	240-107033	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/24/2013 1900	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-106021

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 240-106021/2-A	Analysis Batch:	240-107033	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/24/2013 1903	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				
Leach Date:	N/A				

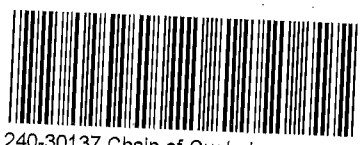
Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.846	101	80 - 120	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-30137 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

Chain of Custody Record

1.4

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
ENSAFE	SHANE GOODNIGHT	10-10-13	013619
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of**
220 ATHENS WAY STE 410	615-255-9300		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
NASHVILLE / TN / 37228	JOE MATTHEWS	AMY MCCORMICK	
Project Name and Location (State)	**Carrier/Waybill Number**		
CARRIER TR-1 SUB SLAB INVESTIGATION NY			
Contract/Purchase Order/Quote No.			
15641			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: # Cont.	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	MeOH	Analysis: VOCs	dry weight	SVOCs/Pesticides/Total PCBs	RCRA Metals	Special Instructions/ Conditions of Receipt
CARMW37509	10/10/13	1440				X	5							1	3	1	1	0	5 total
CARMW39509	10/10/13	1545				X	5							1	3	1	1	1	6 total
TBK														~~1~~	1				

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

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

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/10/13	1700	1. Received By REALISH, SYR	10.10.13	17:00
2. Relinquished By REALISH	10.10.13	1900	2. Received By	10.11.13	920
3. Relinquished By			3. Received By		

Comments

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

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 30157**
Canton Facility

Client Ensafc Site Name _____ Cooler unpacked by:

Cooler Received on 10-01-13 Opened on 10-01-13

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

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

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

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	☐ See Multiple Cooler Form
IR GUN# 4	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5	(CF +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF -0 °C) Observed Cooler Temp. 1.9 °C	Corrected Cooler Temp. 1.4 °C	

2. 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 (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# **HC376062**
11. Were VOAs on the COC? (Yes) No
12. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
13. Was a trip blank present in the cooler(s)? (Yes) No

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

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

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

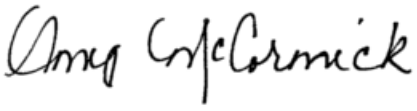
ANALYTICAL REPORT

Job Number: 240-30170-1

Job Description: Former TR-1 Sub-Slab 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 I
11/4/2013 6:00 PM

Amy L McCormick, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/04/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-30170-1

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.

Aroclor-1262 and Aroclor-1268 are 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 samples were received on 10/12/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.4 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARFDPZ03S09 (240-30170-1), CARFDPZ01S09 (240-30170-2), CARFDPZ02S11 (240-30170-3), CARMW4QDS04 (240-30170-4), CARFDPZ04S09 (240-30170-5), CARDCDPZ03S10 (240-30170-6) and CARMW34S10 (240-30170-7) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 10/12/2013 and 10/15/2013 and analyzed on 10/23/2013 and 10/24/2013.

Sample CARMW34S10 (240-30170-7)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

m-Xylene & p-Xylene, Tetrachloroethene, trans-1,2-Dichloroethene and Xylenes, Total were detected in method blank MB 240-105649/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. 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 106880 recovered outside control limits for the following analytes: 1,1,2-Trichloroethane, 1,2-Dichloropropane, Benzene, Chloroform, cis-1,2-Dichloroethene, and Ethylene Dibromide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 106848 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected compounds. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required. Xylenes, Total failed the recovery criteria low for MRL 240-106848/5. 2-Butanone (MEK) and Trichlorofluoromethane failed the recovery criteria high.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARFDPZ03S09 (240-30170-1), CARFDPZ01S09 (240-30170-2), CARFDPZ02S11 (240-30170-3), CARMW4QDS04 (240-30170-4), CARFDPZ04S09 (240-30170-5), CARDCDPZ03S10 (240-30170-6) and CARMW34S10 (240-30170-7) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/14/2013 and analyzed on 10/21/2013 and 10/23/2013.

Sample CARMW34S10 (240-30170-7)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Di-n-butyl phthalate was detected in method blank MB 240-105383/23-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 240-105383/23-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 SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples CARFDPZ03S09 (240-30170-1), CARFDPZ01S09 (240-30170-2), CARFDPZ02S11 (240-30170-3), CARMW4QDS04 (240-30170-4), CARFDPZ04S09 (240-30170-5), CARDCDPZ03S10 (240-30170-6) and CARMW34S10 (240-30170-7) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 10/15/2013 and analyzed on 11/01/2013.

Sample CARMW4QDS04 (240-30170-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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. Tetrachloro-m-xylene failed the surrogate recovery criteria high for sample CARFDPZ04S09 (240-30170-5), the MB 240-105542/10-A, and the LCS 240-105542/11-A. These results have been reported and qualified.

4,4'-DDT failed the recovery criteria high for the MS/MSD of sample CARDCDPZ03S10MS/MSD (240-30170-6) in batch 240-108014.

The closing continuing calibration verification (CCV) associated with batch 108014 recovered DDT, Heptachlor, and Methoxychlor above the upper control limits. Samples CARDCDPZ03S10 (240-30170-6), CARFDPZ01S09 (240-30170-2), CARFDPZ02S11 (240-30170-3), CARFDPZ03S09 (240-30170-1), CARFDPZ04S09 (240-30170-5), CARMW34S10 (240-30170-7), and CARMW4QDS04 (240-30170-4)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 CARFDPZ03S09 (240-30170-1), CARFDPZ01S09 (240-30170-2), CARFDPZ02S11 (240-30170-3), CARMW4QDS04 (240-30170-4), CARFDPZ04S09 (240-30170-5), CARDCDPZ03S10 (240-30170-6) and CARMW34S10 (240-30170-7) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 10/15/2013 and analyzed on 10/17/2013.

Samples CARMW34S10 (240-30170-7) and CARMW4QDS04 (240-30170-4) 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 CARFDPZ03S09 (240-30170-1), CARFDPZ02S11 (240-30170-3), CARMW4QDS04 (240-30170-4), CARFDPZ04S09 (240-30170-5), CARDCDPZ03S10 (240-30170-6) and CARMW34S10 (240-30170-7) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/17/2013 and analyzed on 10/22/2013.

Barium was detected in method blank MB 240-105998/1-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.

MERCURY

Samples CARFDPZ03S09 (240-30170-1), CARFDPZ02S11 (240-30170-3), CARMW4QDS04 (240-30170-4), CARFDPZ04S09 (240-30170-5), CARDCDPZ03S10 (240-30170-6) and CARMW34S10 (240-30170-7) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 10/17/2013 and analyzed on 10/24/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples CARFDPZ03S09 (240-30170-1), CARFDPZ01S09 (240-30170-2), CARFDPZ02S11 (240-30170-3), CARMW4QDS04 (240-30170-4), CARFDPZ04S09 (240-30170-5), CARDCDPZ03S10 (240-30170-6) and CARMW34S10 (240-30170-7) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 10/14/2013 and 10/15/2013.

Percent Moisture exceeded the RPD limit for the duplicate of sample CARMW4QDS04DU (240-30170-4).

No other difficulties were encountered during the % solids analysis.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30170-1	**CARFDPZ03S09**					
Acetone		5.8	J	18	ug/Kg	8260C
Methylene Chloride		7.2		4.5	ug/Kg	8260C
trans-1,2-Dichloroethene		1.7	J	4.5	ug/Kg	8260C
Trichloroethene		4.1	J	4.5	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		120	B	80	ug/Kg	8270D
Di-n-butyl phthalate		57	J B	80	ug/Kg	8270D
Arsenic		2.5		1.6	mg/Kg	6010C
Barium		25	B	21	mg/Kg	6010C
Cadmium		0.042	J	0.53	mg/Kg	6010C
Chromium		5.2		1.1	mg/Kg	6010C
Lead		2.9		1.1	mg/Kg	6010C
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-30170-2	**CARFDPZ01S09**					
2-Butanone (MEK)		130	J	940	ug/Kg	8260C
Styrene		6.2	J	240	ug/Kg	8260C
trans-1,2-Dichloroethene		31	J B	240	ug/Kg	8260C
Trichloroethene		860		240	ug/Kg	8260C
Benzo[b]fluoranthene		5.5	J	7.5	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		84	B	79	ug/Kg	8270D
Di-n-butyl phthalate		43	J B	79	ug/Kg	8270D
Fluoranthene		4.5	J	7.5	ug/Kg	8270D
Phenanthrene		6.0	J	7.5	ug/Kg	8270D
Pyrene		5.3	J	7.5	ug/Kg	8270D
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30170-3	**CARFDPZ02S11**					
Methylene Chloride		11		6.9	ug/Kg	8260C
trans-1,2-Dichloroethene		2.7	J	6.9	ug/Kg	8260C
Trichloroethene		5.1	J	6.9	ug/Kg	8260C
Benzo[b]fluoranthene		4.6	J	7.9	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		79	J B	83	ug/Kg	8270D
Di-n-butyl phthalate		110	B	83	ug/Kg	8270D
Fluoranthene		8.8		7.9	ug/Kg	8270D
Pyrene		6.2	J	7.9	ug/Kg	8270D
Arsenic		2.0		1.4	mg/Kg	6010C
Barium		11	J B	18	mg/Kg	6010C
Chromium		3.9		0.90	mg/Kg	6010C
Lead		2.9		0.90	mg/Kg	6010C
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30170-4	**CARMW4QDS04**					
Acetone		22		21	ug/Kg	8260C
2-Butanone (MEK)		2.3	J	21	ug/Kg	8260C
Methylene Chloride		5.5		5.2	ug/Kg	8260C
trans-1,2-Dichloroethene		0.97	J	5.2	ug/Kg	8260C
Trichloroethene		0.56	J	5.2	ug/Kg	8260C
Acenaphthene		24		7.9	ug/Kg	8270D
Acenaphthylene		13		7.9	ug/Kg	8270D
Anthracene		110		7.9	ug/Kg	8270D
Benzo[a]anthracene		510		7.9	ug/Kg	8270D
Benzo[a]pyrene		480		7.9	ug/Kg	8270D
Benzo[b]fluoranthene		620		7.9	ug/Kg	8270D
Benzo[g,h,i]perylene		300		7.9	ug/Kg	8270D
Benzo[k]fluoranthene		250		7.9	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		69	J B	83	ug/Kg	8270D
Carbazole		33	J	59	ug/Kg	8270D
Chrysene		530		7.9	ug/Kg	8270D
Dibenz(a,h)anthracene		80		7.9	ug/Kg	8270D
Dibenzofuran		18	J	59	ug/Kg	8270D
Di-n-butyl phthalate		65	J B	83	ug/Kg	8270D
Fluoranthene		980		7.9	ug/Kg	8270D
Fluorene		33		7.9	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		290		7.9	ug/Kg	8270D
2-Methylnaphthalene		9.9		7.9	ug/Kg	8270D
Naphthalene		17		7.9	ug/Kg	8270D
Phenanthrene		330		7.9	ug/Kg	8270D
Pyrene		830		7.9	ug/Kg	8270D
Aroclor-1260		55		40	ug/Kg	8082A
Arsenic		2.7		1.2	mg/Kg	6010C
Barium		23	B	16	mg/Kg	6010C
Cadmium		0.10	J	0.40	mg/Kg	6010C
Chromium		7.7		0.80	mg/Kg	6010C
Lead		5.1		0.80	mg/Kg	6010C
Mercury		0.027	J	0.12	mg/Kg	7471B
Percent Solids		85		0.10	%	Moisture
Percent Moisture		15		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30170-5	**CARFDPZ04S09**					
Methylene Chloride		5.7		4.1	ug/Kg	8260C
trans-1,2-Dichloroethene		0.84	J	4.1	ug/Kg	8260C
Trichlorofluoromethane		6.4		4.1	ug/Kg	8260C
Anthracene		16		7.5	ug/Kg	8270D
Benzo[a]anthracene		68		7.5	ug/Kg	8270D
Benzo[a]pyrene		66		7.5	ug/Kg	8270D
Benzo[b]fluoranthene		78		7.5	ug/Kg	8270D
Benzo[g,h,i]perylene		36		7.5	ug/Kg	8270D
Benzo[k]fluoranthene		36		7.5	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		64	J B	79	ug/Kg	8270D
Carbazole		42	J	56	ug/Kg	8270D
Chrysene		83		7.5	ug/Kg	8270D
Dibenzofuran		7.4	J	56	ug/Kg	8270D
Di-n-butyl phthalate		84	B	79	ug/Kg	8270D
Fluoranthene		120		7.5	ug/Kg	8270D
Fluorene		4.3	J	7.5	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		30		7.5	ug/Kg	8270D
Naphthalene		3.9	J	7.5	ug/Kg	8270D
Phenanthrene		86		7.5	ug/Kg	8270D
Pyrene		100		7.5	ug/Kg	8270D
Arsenic		3.2		1.5	mg/Kg	6010C
Barium		47	B	20	mg/Kg	6010C
Chromium		7.7		1.0	mg/Kg	6010C
Lead		5.3		1.0	mg/Kg	6010C
Mercury		0.018	J	0.12	mg/Kg	7471B
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-30170-6	**CARDCDPZ03S10**					
cis-1,2-Dichloroethene		0.85	J *	4.8	ug/Kg	8260C
1,1-Dichloroethane		12		4.8	ug/Kg	8260C
Methylene Chloride		8.7		4.8	ug/Kg	8260C
trans-1,2-Dichloroethene		0.92	J	4.8	ug/Kg	8260C
Trichloroethene		1.2	J	4.8	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		36	J B	88	ug/Kg	8270D
Di-n-butyl phthalate		130	B	88	ug/Kg	8270D
Arsenic		8.9		1.5	mg/Kg	6010C
Barium		77	B	21	mg/Kg	6010C
Cadmium		0.049	J	0.52	mg/Kg	6010C
Chromium		17		1.0	mg/Kg	6010C
Lead		9.4		1.0	mg/Kg	6010C
Mercury		0.032	J	0.12	mg/Kg	7471B
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30170-7	**CARMW34S10**					
Anthracene		27	J	34	ug/Kg	8270D
Benzo[a]pyrene		19	J	34	ug/Kg	8270D
Benzo[b]fluoranthene		26	J	34	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		100	J B	350	ug/Kg	8270D
Dibenzofuran		19	J	250	ug/Kg	8270D
Di-n-butyl phthalate		83	J B	350	ug/Kg	8270D
Fluoranthene		110		34	ug/Kg	8270D
Fluorene		29	J	34	ug/Kg	8270D
Naphthalene		18	J	34	ug/Kg	8270D
Phenanthrene		57		34	ug/Kg	8270D
Pyrene		88		34	ug/Kg	8270D
Endosulfan sulfate		1.1	J	2.2	ug/Kg	8081B
Methoxychlor		9.2		4.2	ug/Kg	8081B
Aroclor-1254		59		42	ug/Kg	8082A
Arsenic		2.8		1.7	mg/Kg	6010C
Barium		67	B	22	mg/Kg	6010C
Cadmium		0.10	J	0.56	mg/Kg	6010C
Chromium		14		1.1	mg/Kg	6010C
Lead		6.0		1.1	mg/Kg	6010C
Mercury		0.036	J	0.14	mg/Kg	7471B
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-30170-1

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: 240-30170-1

Method	Analyst	Analyst ID
SW846 8260C	Lata, Todd	TJL2
SW846 8260C	Lavey, Tim	TJL1
SW846 8270D	Gruber, John	JMG
SW846 8081B	Van Doren, Carolyn	CVD
SW846 8082A	Hass, Lori	LSH
SW846 6010C	Counts, Karen	KLC
SW846 7471B	Martin, Aaron	AMM2
EPA Moisture	Burns, Jill	JMB
EPA Moisture	Woodward, Bruce	BLW

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-30170-1	CARFDPZ03S09	Solid	10/11/2013 0820	10/12/2013 0920
240-30170-2	CARFDPZ01S09	Solid	10/11/2013 0921	10/12/2013 0920
240-30170-3	CARFDPZ02S11	Solid	10/11/2013 1028	10/12/2013 0920
240-30170-4	CARMW4QDS04	Solid	10/11/2013 1235	10/12/2013 0920
240-30170-5	CARFDPZ04S09	Solid	10/11/2013 1340	10/12/2013 0920
240-30170-6	CARDCDPZ03S10	Solid	10/11/2013 1445	10/12/2013 0920
240-30170-7	CARMW34S10	Solid	10/11/2013 1543	10/12/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88242.D
Dilution:	1.0			Initial Weight/Volume:	6.374 g
Analysis Date:	10/24/2013 1336			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		5.8	J	5.6	18
Benzene		ND	*	0.21	4.5
Bromoform		ND		0.30	4.5
Bromomethane		ND		0.48	4.5
2-Butanone (MEK)		ND		1.3	18
Carbon disulfide		ND		0.39	4.5
Carbon tetrachloride		ND		0.33	4.5
Chlorobenzene		ND		0.30	4.5
Chlorodibromomethane		ND		0.49	4.5
Chloroethane		ND		0.77	4.5
Chloroform		ND	*	0.26	4.5
Chloromethane		ND		0.37	4.5
cis-1,2-Dichloroethene		ND	*	0.32	4.5
cis-1,3-Dichloropropene		ND		0.30	4.5
1,2-Dibromo-3-Chloropropane		ND		1.2	9.0
1,2-Dichlorobenzene		ND		0.32	4.5
1,3-Dichlorobenzene		ND		0.31	4.5
1,4-Dichlorobenzene		ND		0.59	4.5
Dichlorobromomethane		ND		0.25	4.5
Dichlorodifluoromethane		ND		0.45	4.5
1,1-Dichloroethane		ND		0.32	4.5
1,2-Dichloroethane		ND		0.30	4.5
1,1-Dichloroethene		ND		0.47	4.5
1,2-Dichloropropane		ND	*	0.62	4.5
Ethylbenzene		ND		0.23	4.5
Ethylene Dibromide		ND	*	0.45	4.5
2-Hexanone		ND		0.56	18
Isopropylbenzene		ND		0.14	4.5
Methylene Chloride		7.2		0.60	4.5
4-Methyl-2-pentanone (MIBK)		ND		0.48	18
Methyl tert-butyl ether		ND		0.39	4.5
Styrene		ND		0.13	4.5
1,1,2,2-Tetrachloroethane		ND		0.30	4.5
Tetrachloroethene		ND		0.47	4.5
Toluene		ND		0.24	4.5
trans-1,2-Dichloroethene		1.7	J	0.37	4.5
trans-1,3-Dichloropropene		ND		0.48	4.5
1,2,4-Trichlorobenzene		ND		0.24	4.5
1,1,1-Trichloroethane		ND		0.50	4.5
1,1,2-Trichloroethane		ND	*	0.35	4.5
Trichloroethene		4.1	J	0.38	4.5
Trichlorofluoromethane		ND		0.30	4.5
Vinyl chloride		ND		0.35	4.5
Xylenes, Total		ND		0.31	9.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88242.D
Dilution:	1.0			Initial Weight/Volume:	6.374 g
Analysis Date:	10/24/2013 1336			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		52 - 136
Dibromofluoromethane (Surr)	89		37 - 132
1,2-Dichloroethane-d4 (Surr)	91		58 - 123
Toluene-d8 (Surr)	89		67 - 125

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88242.D
Dilution:	1.0			Initial Weight/Volume:	6.374 g
Analysis Date:	10/24/2013 1336			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

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

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233240.D
Dilution:	1.0			Initial Weight/Volume:	5.951 g
Analysis Date:	10/23/2013 1847			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		20	240
1,1,2,2-Tetrachloroethane		ND		8.4	240
1,1,2-Trichloroethane		ND		11	240
1,1-Dichloroethane		ND		16	240
1,1-Dichloroethene		ND		17	240
1,2,4-Trichlorobenzene		ND		6.9	240
1,2-Dibromo-3-Chloropropane		ND		47	470
1,2-Dichlorobenzene		ND		8.1	240
1,2-Dichloroethane		ND		9.4	240
1,2-Dichloropropane		ND		7.7	240
1,3-Dichlorobenzene		ND		4.5	240
1,4-Dichlorobenzene		ND		7.5	240
2-Butanone (MEK)		130	J	41	940
2-Hexanone		ND		19	940
4-Methyl-2-pentanone (MIBK)		ND		45	940
Acetone		ND		160	940
Benzene		ND		11	240
Bromoform		ND		18	240
Bromomethane		ND		27	240
Carbon disulfide		ND		11	240
Carbon tetrachloride		ND		6.0	240
Chlorobenzene		ND		6.0	240
Chlorodibromomethane		ND		11	240
Chloroethane		ND		58	240
Chloroform		ND		8.3	240
Chloromethane		ND		13	240
cis-1,2-Dichloroethene		ND		6.5	240
cis-1,3-Dichloropropene		ND		7.5	240
Dichlorodifluoromethane		ND		15	240
Dichlorobromomethane		ND		9.3	240
Ethylbenzene		ND		5.1	240
Isopropylbenzene		ND		6.1	240
Methyl tert-butyl ether		ND		6.7	240
Methylene Chloride		ND		73	240
Styrene		6.2	J	5.3	240
Tetrachloroethene		ND		11	240
Toluene		ND		16	240
trans-1,2-Dichloroethene		31	J B	8.7	240
trans-1,3-Dichloropropene		ND		19	240
Trichloroethene		860		9.1	240
Trichlorofluoromethane		ND		15	240
Vinyl chloride		ND		17	240
Xylenes, Total		ND		5.8	470
Ethylene Dibromide		ND		9.4	240

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233240.D
Dilution:	1.0			Initial Weight/Volume:	5.951 g
Analysis Date:	10/23/2013 1847			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		33 - 134
Dibromofluoromethane (Surr)	103		30 - 122
4-Bromofluorobenzene (Surr)	108		26 - 141
1,2-Dichloroethane-d4 (Surr)	100		39 - 128

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233240.D
Dilution:	1.0			Initial Weight/Volume:	5.951 g
Analysis Date:	10/23/2013 1847			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

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

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88243.D
Dilution:	1.0			Initial Weight/Volume:	4.252 g
Analysis Date:	10/24/2013 1358			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		8.7	28
Benzene		ND	*	0.32	6.9
Bromoform		ND		0.46	6.9
Bromomethane		ND		0.75	6.9
2-Butanone (MEK)		ND		1.9	28
Carbon disulfide		ND		0.61	6.9
Carbon tetrachloride		ND		0.51	6.9
Chlorobenzene		ND		0.46	6.9
Chlorodibromomethane		ND		0.76	6.9
Chloroethane		ND		1.2	6.9
Chloroform		ND	*	0.40	6.9
Chloromethane		ND		0.57	6.9
cis-1,2-Dichloroethene		ND	*	0.50	6.9
cis-1,3-Dichloropropene		ND		0.47	6.9
1,2-Dibromo-3-Chloropropane		ND		1.8	14
1,2-Dichlorobenzene		ND		0.50	6.9
1,3-Dichlorobenzene		ND		0.48	6.9
1,4-Dichlorobenzene		ND		0.91	6.9
Dichlorobromomethane		ND		0.39	6.9
Dichlorodifluoromethane		ND		0.69	6.9
1,1-Dichloroethane		ND		0.50	6.9
1,2-Dichloroethane		ND		0.47	6.9
1,1-Dichloroethene		ND		0.72	6.9
1,2-Dichloropropane		ND	*	0.95	6.9
Ethylbenzene		ND		0.36	6.9
Ethylene Dibromide		ND	*	0.69	6.9
2-Hexanone		ND		0.87	28
Isopropylbenzene		ND		0.22	6.9
Methylene Chloride		11		0.93	6.9
4-Methyl-2-pentanone (MIBK)		ND		0.75	28
Methyl tert-butyl ether		ND		0.59	6.9
Styrene		ND		0.21	6.9
1,1,2,2-Tetrachloroethane		ND		0.47	6.9
Tetrachloroethene		ND		0.72	6.9
Toluene		ND		0.37	6.9
trans-1,2-Dichloroethene		2.7	J	0.57	6.9
trans-1,3-Dichloropropene		ND		0.75	6.9
1,2,4-Trichlorobenzene		ND		0.37	6.9
1,1,1-Trichloroethane		ND		0.77	6.9
1,1,2-Trichloroethane		ND	*	0.54	6.9
Trichloroethene		5.1	J	0.58	6.9
Trichlorofluoromethane		ND		0.47	6.9
Vinyl chloride		ND		0.54	6.9
Xylenes, Total		ND		0.48	14

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88243.D
Dilution:	1.0			Initial Weight/Volume:	4.252 g
Analysis Date:	10/24/2013 1358			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	88		52 - 136
Dibromofluoromethane (Surr)	94		37 - 132
1,2-Dichloroethane-d4 (Surr)	95		58 - 123
Toluene-d8 (Surr)	95		67 - 125

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88243.D
Dilution:	1.0			Initial Weight/Volume:	4.252 g
Analysis Date:	10/24/2013 1358			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

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

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88244.D
Dilution:	1.0			Initial Weight/Volume:	5.696 g
Analysis Date:	10/24/2013 1421			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		22		6.5	21
Benzene		ND	*	0.24	5.2
Bromoform		ND		0.34	5.2
Bromomethane		ND		0.56	5.2
2-Butanone (MEK)		2.3	J	1.4	21
Carbon disulfide		ND		0.46	5.2
Carbon tetrachloride		ND		0.38	5.2
Chlorobenzene		ND		0.34	5.2
Chlorodibromomethane		ND		0.57	5.2
Chloroethane		ND		0.89	5.2
Chloroform		ND	*	0.30	5.2
Chloromethane		ND		0.42	5.2
cis-1,2-Dichloroethene		ND	*	0.37	5.2
cis-1,3-Dichloropropene		ND		0.35	5.2
1,2-Dibromo-3-Chloropropane		ND		1.3	10
1,2-Dichlorobenzene		ND		0.37	5.2
1,3-Dichlorobenzene		ND		0.36	5.2
1,4-Dichlorobenzene		ND		0.68	5.2
Dichlorobromomethane		ND		0.29	5.2
Dichlorodifluoromethane		ND		0.52	5.2
1,1-Dichloroethane		ND		0.37	5.2
1,2-Dichloroethane		ND		0.35	5.2
1,1-Dichloroethene		ND		0.54	5.2
1,2-Dichloropropane		ND	*	0.71	5.2
Ethylbenzene		ND		0.27	5.2
Ethylene Dibromide		ND	*	0.52	5.2
2-Hexanone		ND		0.65	21
Isopropylbenzene		ND		0.17	5.2
Methylene Chloride		5.5		0.69	5.2
4-Methyl-2-pentanone (MIBK)		ND		0.56	21
Methyl tert-butyl ether		ND		0.45	5.2
Styrene		ND		0.16	5.2
1,1,2,2-Tetrachloroethane		ND		0.35	5.2
Tetrachloroethene		ND		0.54	5.2
Toluene		ND		0.28	5.2
trans-1,2-Dichloroethene		0.97	J	0.42	5.2
trans-1,3-Dichloropropene		ND		0.56	5.2
1,2,4-Trichlorobenzene		ND		0.28	5.2
1,1,1-Trichloroethane		ND		0.58	5.2
1,1,2-Trichloroethane		ND	*	0.40	5.2
Trichloroethene		0.56	J	0.43	5.2
Trichlorofluoromethane		ND		0.35	5.2
Vinyl chloride		ND		0.40	5.2
Xylenes, Total		ND		0.36	10

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88244.D
Dilution:	1.0			Initial Weight/Volume:	5.696 g
Analysis Date:	10/24/2013 1421			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	89		52 - 136
Dibromofluoromethane (Surr)	92		37 - 132
1,2-Dichloroethane-d4 (Surr)	99		58 - 123
Toluene-d8 (Surr)	88		67 - 125

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88244.D
Dilution:	1.0			Initial Weight/Volume:	5.696 g
Analysis Date:	10/24/2013 1421			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	8.92	5.3	T J N

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88250.D
Dilution:	1.0			Initial Weight/Volume:	6.87 g
Analysis Date:	10/24/2013 1628			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		5.2	17
Benzene		ND	*	0.19	4.1
Bromoform		ND		0.27	4.1
Bromomethane		ND		0.45	4.1
2-Butanone (MEK)		ND		1.2	17
Carbon disulfide		ND		0.36	4.1
Carbon tetrachloride		ND		0.31	4.1
Chlorobenzene		ND		0.27	4.1
Chlorodibromomethane		ND		0.45	4.1
Chloroethane		ND		0.71	4.1
Chloroform		ND	*	0.24	4.1
Chloromethane		ND		0.34	4.1
cis-1,2-Dichloroethene		ND	*	0.30	4.1
cis-1,3-Dichloropropene		ND		0.28	4.1
1,2-Dibromo-3-Chloropropane		ND		1.1	8.3
1,2-Dichlorobenzene		ND		0.30	4.1
1,3-Dichlorobenzene		ND		0.29	4.1
1,4-Dichlorobenzene		ND		0.55	4.1
Dichlorobromomethane		ND		0.23	4.1
Dichlorodifluoromethane		ND		0.41	4.1
1,1-Dichloroethane		ND		0.30	4.1
1,2-Dichloroethane		ND		0.28	4.1
1,1-Dichloroethene		ND		0.43	4.1
1,2-Dichloropropane		ND	*	0.57	4.1
Ethylbenzene		ND		0.21	4.1
Ethylene Dibromide		ND	*	0.41	4.1
2-Hexanone		ND		0.52	17
Isopropylbenzene		ND		0.13	4.1
Methylene Chloride		5.7		0.55	4.1
4-Methyl-2-pentanone (MIBK)		ND		0.45	17
Methyl tert-butyl ether		ND		0.36	4.1
Styrene		ND		0.12	4.1
1,1,2,2-Tetrachloroethane		ND		0.28	4.1
Tetrachloroethene		ND		0.43	4.1
Toluene		ND		0.22	4.1
trans-1,2-Dichloroethene		0.84	J	0.34	4.1
trans-1,3-Dichloropropene		ND		0.45	4.1
1,2,4-Trichlorobenzene		ND		0.22	4.1
1,1,1-Trichloroethane		ND		0.46	4.1
1,1,2-Trichloroethane		ND	*	0.32	4.1
Trichloroethene		ND		0.35	4.1
Trichlorofluoromethane		6.4		0.28	4.1
Vinyl chloride		ND		0.32	4.1
Xylenes, Total		ND		0.29	8.3

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88250.D
Dilution:	1.0			Initial Weight/Volume:	6.87 g
Analysis Date:	10/24/2013 1628			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	87		52 - 136
Dibromofluoromethane (Surr)	84		37 - 132
1,2-Dichloroethane-d4 (Surr)	92		58 - 123
Toluene-d8 (Surr)	86		67 - 125

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88250.D
Dilution:	1.0			Initial Weight/Volume:	6.87 g
Analysis Date:	10/24/2013 1628			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

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

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88251.D
Dilution:	1.0			Initial Weight/Volume:	6.481 g
Analysis Date:	10/24/2013 1649			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		6.1	19
Benzene		ND	*	0.22	4.8
Bromoform		ND		0.32	4.8
Bromomethane		ND		0.52	4.8
2-Butanone (MEK)		ND		1.3	19
Carbon disulfide		ND		0.42	4.8
Carbon tetrachloride		ND		0.36	4.8
Chlorobenzene		ND		0.32	4.8
Chlorodibromomethane		ND		0.53	4.8
Chloroethane		ND		0.83	4.8
Chloroform		ND	*	0.28	4.8
Chloromethane		ND		0.39	4.8
cis-1,2-Dichloroethene		0.85	J *	0.35	4.8
cis-1,3-Dichloropropene		ND		0.33	4.8
1,2-Dibromo-3-Chloropropane		ND		1.3	9.6
1,2-Dichlorobenzene		ND		0.35	4.8
1,3-Dichlorobenzene		ND		0.34	4.8
1,4-Dichlorobenzene		ND		0.64	4.8
Dichlorobromomethane		ND		0.27	4.8
Dichlorodifluoromethane		ND		0.48	4.8
1,1-Dichloroethane		12		0.35	4.8
1,2-Dichloroethane		ND		0.33	4.8
1,1-Dichloroethene		ND		0.50	4.8
1,2-Dichloropropane		ND	*	0.66	4.8
Ethylbenzene		ND		0.25	4.8
Ethylene Dibromide		ND	*	0.48	4.8
2-Hexanone		ND		0.61	19
Isopropylbenzene		ND		0.15	4.8
Methylene Chloride		8.7		0.64	4.8
4-Methyl-2-pentanone (MIBK)		ND		0.52	19
Methyl tert-butyl ether		ND		0.41	4.8
Styrene		ND		0.14	4.8
1,1,2,2-Tetrachloroethane		ND		0.33	4.8
Tetrachloroethene		ND		0.50	4.8
Toluene		ND		0.26	4.8
trans-1,2-Dichloroethene		0.92	J	0.39	4.8
trans-1,3-Dichloropropene		ND		0.52	4.8
1,2,4-Trichlorobenzene		ND		0.26	4.8
1,1,1-Trichloroethane		ND		0.54	4.8
1,1,2-Trichloroethane		ND	*	0.38	4.8
Trichloroethene		1.2	J	0.40	4.8
Trichlorofluoromethane		ND		0.33	4.8
Vinyl chloride		ND		0.38	4.8
Xylenes, Total		ND		0.34	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88251.D
Dilution:	1.0			Initial Weight/Volume:	6.481 g
Analysis Date:	10/24/2013 1649			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	85		52 - 136
Dibromofluoromethane (Surr)	87		37 - 132
1,2-Dichloroethane-d4 (Surr)	91		58 - 123
Toluene-d8 (Surr)	90		67 - 125

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106085	Lab File ID:	UX88251.D
Dilution:	1.0			Initial Weight/Volume:	6.481 g
Analysis Date:	10/24/2013 1649			Final Weight/Volume:	5 mL
Prep Date:	10/12/2013 1515				

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

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233241.D
Dilution:	4.0			Initial Weight/Volume:	6.813 g
Analysis Date:	10/23/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		78	930
1,1,2,2-Tetrachloroethane		ND		33	930
1,1,2-Trichloroethane		ND		44	930
1,1-Dichloroethane		ND		63	930
1,1-Dichloroethene		ND		67	930
1,2,4-Trichlorobenzene		ND		27	930
1,2-Dibromo-3-Chloropropane		ND		190	1900
1,2-Dichlorobenzene		ND		32	930
1,2-Dichloroethane		ND		37	930
1,2-Dichloropropane		ND		30	930
1,3-Dichlorobenzene		ND		18	930
1,4-Dichlorobenzene		ND		30	930
2-Butanone (MEK)		ND		160	3700
2-Hexanone		ND		74	3700
4-Methyl-2-pentanone (MIBK)		ND		180	3700
Acetone		ND		630	3700
Benzene		ND		44	930
Bromoform		ND		70	930
Bromomethane		ND		110	930
Carbon disulfide		ND		44	930
Carbon tetrachloride		ND		24	930
Chlorobenzene		ND		24	930
Chlorodibromomethane		ND		44	930
Chloroethane		ND		230	930
Chloroform		ND		33	930
Chloromethane		ND		52	930
cis-1,2-Dichloroethene		ND		26	930
cis-1,3-Dichloropropene		ND		29	930
Dichlorodifluoromethane		ND		59	930
Dichlorobromomethane		ND		37	930
Ethylbenzene		ND		20	930
Isopropylbenzene		ND		24	930
Methyl tert-butyl ether		ND		26	930
Methylene Chloride		ND		290	930
Styrene		ND		21	930
Tetrachloroethene		ND		44	930
Toluene		ND		63	930
trans-1,2-Dichloroethene		ND		34	930
trans-1,3-Dichloropropene		ND		74	930
Trichloroethene		ND		36	930
Trichlorofluoromethane		ND		59	930
Vinyl chloride		ND		67	930
Xylenes, Total		ND		23	1900
Ethylene Dibromide		ND		37	930

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233241.D
Dilution:	4.0			Initial Weight/Volume:	6.813 g
Analysis Date:	10/23/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	84		33 - 134
Dibromofluoromethane (Surr)	83		30 - 122
4-Bromofluorobenzene (Surr)	86		26 - 141
1,2-Dichloroethane-d4 (Surr)	83		39 - 128

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-105649	Lab File ID:	U1233241.D
Dilution:	4.0			Initial Weight/Volume:	6.813 g
Analysis Date:	10/23/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1678-93-9	Cyclohexane, butyl-	10.48	4700	T J N
71186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	10.78	5400	T J N
493-02-7	Naphthalene, decahydro-, trans-	10.99	13000	T J N
3728-55-0	1-Ethyl-3-methylcyclohexane (c,t)	11.11	5900	T J N
61141-80-8	Cyclohexane, 1,2-diethyl-3-methyl-	11.19	8800	T J N
4292-92-6	Cyclohexane, pentyl-	11.30	11000	T J N
1000158-89-0	Decalin, anti-1-methyl-, cis-	11.61	4200	T J N
2958-76-1	Naphthalene, decahydro-2-methyl-	11.68	6100	T J N
4292-92-6	Cyclohexane, pentyl-	11.75	7000	T J N
2958-76-1	Naphthalene, decahydro-2-methyl-	11.90	4900	T J N

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021024.D
Dilution:	1.0			Initial Weight/Volume:	29.81 g
Analysis Date:	10/21/2013 1902			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.87	7.7
Acenaphthylene		ND		0.40	7.7
Acetophenone		ND		11	110
Anthracene		ND		0.90	7.7
Benzo[a]anthracene		ND		0.72	7.7
Benzo[a]pyrene		ND		0.74	7.7
Benzo[b]fluoranthene		ND		0.68	7.7
Benzo[g,h,i]perylene		ND		0.40	7.7
Benzo[k]fluoranthene		ND		0.78	7.7
Bis(2-chloroethoxy)methane		ND		25	110
Bis(2-chloroethyl)ether		ND		2.3	110
bis (2-chloroisopropyl) ether		ND		11	110
Bis(2-ethylhexyl) phthalate		120	B	22	80
4-Bromophenyl phenyl ether		ND		15	57
Butyl benzyl phthalate		ND		11	80
Carbazole		ND		31	57
4-Chloroaniline		ND		20	170
4-Chloro-3-methylphenol		ND		24	170
2-Chlorophenol		ND		9.4	57
4-Chlorophenyl phenyl ether		ND		15	57
Chrysene		ND		1.3	7.7
Dibenz(a,h)anthracene		ND		0.76	7.7
Dibenzofuran		ND		0.76	57
3,3'-Dichlorobenzidine		ND		21	110
2,4-Dichlorophenol		ND		23	170
Diethyl phthalate		ND		18	80
2,4-Dimethylphenol		ND		23	170
Dimethyl phthalate		ND		20	80
Di-n-butyl phthalate		57	J B	17	80
4,6-Dinitro-2-methylphenol		ND		11	170
2,4-Dinitrophenol		ND		24	380
2,4-Dinitrotoluene		ND		20	230
2,6-Dinitrotoluene		ND		24	230
Di-n-octyl phthalate		ND		9.1	80
Fluoranthene		ND		0.63	7.7
Fluorene		ND		0.61	7.7
Hexachlorobenzene		ND		2.4	7.7
Hexachlorobutadiene		ND		6.4	57
Hexachlorocyclopentadiene		ND		9.3	380
Hexachloroethane		ND		10	57
Indeno[1,2,3-cd]pyrene		ND		0.40	7.7
Isophorone		ND		15	57
2-Methylnaphthalene		ND		0.57	7.7
2-Methylphenol		ND		13	230
3 & 4 Methylphenol		ND		23	460
Naphthalene		ND		0.94	7.7

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021024.D
Dilution:	1.0			Initial Weight/Volume:	29.81 g
Analysis Date:	10/21/2013 1902			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		10	230
3-Nitroaniline		ND		18	230
4-Nitroaniline		ND		30	230
Nitrobenzene		ND		2.5	110
2-Nitrophenol		ND		9.5	57
4-Nitrophenol		ND		20	380
N-Nitrosodi-n-propylamine		ND		7.2	57
N-Nitrosodiphenylamine		ND		24	57
Pentachlorophenol		ND		10	170
Phenanthrene		ND		0.84	7.7
Phenol		ND		8.4	57
Pyrene		ND		0.51	7.7
2,4,5-Trichlorophenol		ND		29	170
2,4,6-Trichlorophenol		ND		10	170

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	72		24 - 110
2-Fluorophenol (Surr)	70		24 - 110
Nitrobenzene-d5 (Surr)	64		20 - 110
Phenol-d5 (Surr)	73		26 - 110
Terphenyl-d14 (Surr)	96		36 - 110
2,4,6-Tribromophenol (Surr)	63		10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021028.D
Dilution:	1.0			Initial Weight/Volume:	29.85 g
Analysis Date:	10/21/2013 2039			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.86	7.5
Acenaphthylene		ND		0.39	7.5
Acetophenone		ND		10	110
Anthracene		ND		0.88	7.5
Benzo[a]anthracene		ND		0.71	7.5
Benzo[a]pyrene		ND		0.72	7.5
Benzo[b]fluoranthene		5.5	J	0.67	7.5
Benzo[g,h,i]perylene		ND		0.39	7.5
Benzo[k]fluoranthene		ND		0.77	7.5
Bis(2-chloroethoxy)methane		ND		25	110
Bis(2-chloroethyl)ether		ND		2.3	110
bis (2-chloroisopropyl) ether		ND		11	110
Bis(2-ethylhexyl) phthalate		84	B	21	79
4-Bromophenyl phenyl ether		ND		15	56
Butyl benzyl phthalate		ND		11	79
Carbazole		ND		30	56
4-Chloroaniline		ND		19	170
4-Chloro-3-methylphenol		ND		24	170
2-Chlorophenol		ND		9.3	56
4-Chlorophenyl phenyl ether		ND		15	56
Chrysene		ND		1.2	7.5
Dibenz(a,h)anthracene		ND		0.74	7.5
Dibenzofuran		ND		0.74	56
3,3'-Dichlorobenzidine		ND		20	110
2,4-Dichlorophenol		ND		23	170
Diethyl phthalate		ND		18	79
2,4-Dimethylphenol		ND		23	170
Dimethyl phthalate		ND		19	79
Di-n-butyl phthalate		43	J B	17	79
4,6-Dinitro-2-methylphenol		ND		10	170
2,4-Dinitrophenol		ND		24	370
2,4-Dinitrotoluene		ND		19	230
2,6-Dinitrotoluene		ND		24	230
Di-n-octyl phthalate		ND		8.9	79
Fluoranthene		4.5	J	0.62	7.5
Fluorene		ND		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		ND		0.39	7.5
Isophorone		ND		15	56
2-Methylnaphthalene		ND		0.56	7.5
2-Methylphenol		ND		12	230
3 & 4 Methylphenol		ND		23	450
Naphthalene		ND		0.93	7.5

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021028.D
Dilution:	1.0			Initial Weight/Volume:	29.85 g
Analysis Date:	10/21/2013 2039			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		10	230
3-Nitroaniline		ND		18	230
4-Nitroaniline		ND		29	230
Nitrobenzene		ND		2.5	110
2-Nitrophenol		ND		9.4	56
4-Nitrophenol		ND		19	370
N-Nitrosodi-n-propylamine		ND		7.1	56
N-Nitrosodiphenylamine		ND		24	56
Pentachlorophenol		ND		10	170
Phenanthrene		6.0	J	0.82	7.5
Phenol		ND		8.2	56
Pyrene		5.3	J	0.50	7.5
2,4,5-Trichlorophenol		ND		28	170
2,4,6-Trichlorophenol		ND		10	170

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	74		24 - 110
2-Fluorophenol (Surr)	72		24 - 110
Nitrobenzene-d5 (Surr)	75		20 - 110
Phenol-d5 (Surr)	70		26 - 110
Terphenyl-d14 (Surr)	101		36 - 110
2,4,6-Tribromophenol (Surr)	49		10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021025.D
Dilution:	1.0			Initial Weight/Volume:	29.90 g
Analysis Date:	10/21/2013 1926			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.90	7.9
Acenaphthylene		ND		0.41	7.9
Acetophenone		ND		11	120
Anthracene		ND		0.92	7.9
Benzo[a]anthracene		ND		0.74	7.9
Benzo[a]pyrene		ND		0.76	7.9
Benzo[b]fluoranthene		4.6	J	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-chloroisopropyl) ether		ND		11	120
Bis(2-ethylhexyl) phthalate		79	J B	22	83
4-Bromophenyl phenyl ether		ND		15	59
Butyl benzyl phthalate		ND		12	83
Carbazole		ND		32	59
4-Chloroaniline		ND		20	180
4-Chloro-3-methylphenol		ND		25	180
2-Chlorophenol		ND		9.7	59
4-Chlorophenyl phenyl ether		ND		15	59
Chrysene		ND		1.3	7.9
Dibenz(a,h)anthracene		ND		0.78	7.9
Dibenzofuran		ND		0.78	59
3,3'-Dichlorobenzidine		ND		21	120
2,4-Dichlorophenol		ND		24	180
Diethyl phthalate		ND		19	83
2,4-Dimethylphenol		ND		24	180
Dimethyl phthalate		ND		20	83
Di-n-butyl phthalate		110	B	18	83
4,6-Dinitro-2-methylphenol		ND		11	180
2,4-Dinitrophenol		ND		25	390
2,4-Dinitrotoluene		ND		20	240
2,6-Dinitrotoluene		ND		25	240
Di-n-octyl phthalate		ND		9.3	83
Fluoranthene		8.8		0.65	7.9
Fluorene		ND		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
2-Methylnaphthalene		ND		0.59	7.9
2-Methylphenol		ND		13	240
3 & 4 Methylphenol		ND		24	470
Naphthalene		ND		0.97	7.9

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021025.D
Dilution:	1.0			Initial Weight/Volume:	29.90 g
Analysis Date:	10/21/2013 1926			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		11	240
3-Nitroaniline		ND		19	240
4-Nitroaniline		ND		31	240
Nitrobenzene		ND		2.6	120
2-Nitrophenol		ND		9.8	59
4-Nitrophenol		ND		20	390
N-Nitrosodi-n-propylamine		ND		7.4	59
N-Nitrosodiphenylamine		ND		25	59
Pentachlorophenol		ND		11	180
Phenanthrene		ND		0.86	7.9
Phenol		ND		8.6	59
Pyrene		6.2	J	0.52	7.9
2,4,5-Trichlorophenol		ND		30	180
2,4,6-Trichlorophenol		ND		11	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	74		24 - 110
2-Fluorophenol (Surr)	68		24 - 110
Nitrobenzene-d5 (Surr)	69		20 - 110
Phenol-d5 (Surr)	70		26 - 110
Terphenyl-d14 (Surr)	99		36 - 110
2,4,6-Tribromophenol (Surr)	55		10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021030.D
Dilution:	1.0			Initial Weight/Volume:	29.92 g
Analysis Date:	10/21/2013 2127			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		24		0.90	7.9
Acenaphthylene		13		0.41	7.9
Acetophenone		ND		11	120
Anthracene		110		0.92	7.9
Benzo[a]anthracene		510		0.75	7.9
Benzo[a]pyrene		480		0.76	7.9
Benzo[b]fluoranthene		620		0.70	7.9
Benzo[g,h,i]perylene		300		0.41	7.9
Benzo[k]fluoranthene		250		0.80	7.9
Bis(2-chloroethoxy)methane		ND		26	120
Bis(2-chloroethyl)ether		ND		2.4	120
bis (2-chloroisopropyl) ether		ND		11	120
Bis(2-ethylhexyl) phthalate		69	J B	22	83
4-Bromophenyl phenyl ether		ND		15	59
Butyl benzyl phthalate		ND		12	83
Carbazole		33	J	32	59
4-Chloroaniline		ND		20	180
4-Chloro-3-methylphenol		ND		25	180
2-Chlorophenol		ND		9.7	59
4-Chlorophenyl phenyl ether		ND		15	59
Chrysene		530		1.3	7.9
Dibenz(a,h)anthracene		80		0.78	7.9
Dibenzofuran		18	J	0.78	59
3,3'-Dichlorobenzidine		ND		21	120
2,4-Dichlorophenol		ND		24	180
Diethyl phthalate		ND		19	83
2,4-Dimethylphenol		ND		24	180
Dimethyl phthalate		ND		20	83
Di-n-butyl phthalate		65	J B	18	83
4,6-Dinitro-2-methylphenol		ND		11	180
2,4-Dinitrophenol		ND		25	390
2,4-Dinitrotoluene		ND		20	240
2,6-Dinitrotoluene		ND		25	240
Di-n-octyl phthalate		ND		9.3	83
Fluoranthene		980		0.65	7.9
Fluorene		33		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		290		0.41	7.9
Isophorone		ND		15	59
2-Methylnaphthalene		9.9		0.59	7.9
2-Methylphenol		ND		13	240
3 & 4 Methylphenol		ND		24	470
Naphthalene		17		0.97	7.9

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021030.D
Dilution:	1.0			Initial Weight/Volume:	29.92 g
Analysis Date:	10/21/2013 2127			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		11	240
3-Nitroaniline		ND		19	240
4-Nitroaniline		ND		31	240
Nitrobenzene		ND		2.6	120
2-Nitrophenol		ND		9.8	59
4-Nitrophenol		ND		20	390
N-Nitrosodi-n-propylamine		ND		7.5	59
N-Nitrosodiphenylamine		ND		25	59
Pentachlorophenol		ND		11	180
Phenanthrene		330		0.86	7.9
Phenol		ND		8.6	59
Pyrene		830		0.52	7.9
2,4,5-Trichlorophenol		ND		30	180
2,4,6-Trichlorophenol		ND		11	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	73		24 - 110
2-Fluorophenol (Surr)	66		24 - 110
Nitrobenzene-d5 (Surr)	65		20 - 110
Phenol-d5 (Surr)	71		26 - 110
Terphenyl-d14 (Surr)	99		36 - 110
2,4,6-Tribromophenol (Surr)	67		10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021029.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Analysis Date:	10/21/2013 2103			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.86	7.5
Acenaphthylene		ND		0.39	7.5
Acetophenone		ND		10	110
Anthracene		16		0.88	7.5
Benzo[a]anthracene		68		0.71	7.5
Benzo[a]pyrene		66		0.72	7.5
Benzo[b]fluoranthene		78		0.66	7.5
Benzo[g,h,i]perylene		36		0.39	7.5
Benzo[k]fluoranthene		36		0.77	7.5
Bis(2-chloroethoxy)methane		ND		25	110
Bis(2-chloroethyl)ether		ND		2.3	110
bis (2-chloroisopropyl) ether		ND		11	110
Bis(2-ethylhexyl) phthalate		64	J B	21	79
4-Bromophenyl phenyl ether		ND		15	56
Butyl benzyl phthalate		ND		11	79
Carbazole		42	J	30	56
4-Chloroaniline		ND		19	170
4-Chloro-3-methylphenol		ND		24	170
2-Chlorophenol		ND		9.2	56
4-Chlorophenyl phenyl ether		ND		15	56
Chrysene		83		1.2	7.5
Dibenz(a,h)anthracene		ND		0.74	7.5
Dibenzofuran		7.4	J	0.74	56
3,3'-Dichlorobenzidine		ND		20	110
2,4-Dichlorophenol		ND		23	170
Diethyl phthalate		ND		18	79
2,4-Dimethylphenol		ND		23	170
Dimethyl phthalate		ND		19	79
Di-n-butyl phthalate		84	B	17	79
4,6-Dinitro-2-methylphenol		ND		10	170
2,4-Dinitrophenol		ND		24	370
2,4-Dinitrotoluene		ND		19	230
2,6-Dinitrotoluene		ND		24	230
Di-n-octyl phthalate		ND		8.9	79
Fluoranthene		120		0.62	7.5
Fluorene		4.3	J	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		30		0.39	7.5
Isophorone		ND		15	56
2-Methylnaphthalene		ND		0.56	7.5
2-Methylphenol		ND		12	230
3 & 4 Methylphenol		ND		23	450
Naphthalene		3.9	J	0.92	7.5

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021029.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Analysis Date:	10/21/2013 2103			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		10	230
3-Nitroaniline		ND		18	230
4-Nitroaniline		ND		29	230
Nitrobenzene		ND		2.5	110
2-Nitrophenol		ND		9.4	56
4-Nitrophenol		ND		19	370
N-Nitrosodi-n-propylamine		ND		7.1	56
N-Nitrosodiphenylamine		ND		24	56
Pentachlorophenol		ND		10	170
Phenanthrene		86		0.82	7.5
Phenol		ND		8.2	56
Pyrene		100		0.50	7.5
2,4,5-Trichlorophenol		ND		28	170
2,4,6-Trichlorophenol		ND		10	170

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	66		24 - 110
2-Fluorophenol (Surr)	61		24 - 110
Nitrobenzene-d5 (Surr)	58		20 - 110
Phenol-d5 (Surr)	63		26 - 110
Terphenyl-d14 (Surr)	92		36 - 110
2,4,6-Tribromophenol (Surr)	43		10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021026.D
Dilution:	1.0			Initial Weight/Volume:	29.66 g
Analysis Date:	10/21/2013 1950			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.96	8.4
Acenaphthylene		ND		0.44	8.4
Acetophenone		ND		12	130
Anthracene		ND		0.98	8.4
Benzo[a]anthracene		ND		0.80	8.4
Benzo[a]pyrene		ND		0.81	8.4
Benzo[b]fluoranthene		ND		0.74	8.4
Benzo[g,h,i]perylene		ND		0.44	8.4
Benzo[k]fluoranthene		ND		0.86	8.4
Bis(2-chloroethoxy)methane		ND		28	130
Bis(2-chloroethyl)ether		ND		2.5	130
bis (2-chloroisopropyl) ether		ND		12	130
Bis(2-ethylhexyl) phthalate		36	J B	24	88
4-Bromophenyl phenyl ether		ND		16	63
Butyl benzyl phthalate		ND		13	88
Carbazole		ND		34	63
4-Chloroaniline		ND		21	190
4-Chloro-3-methylphenol		ND		27	190
2-Chlorophenol		ND		10	63
4-Chlorophenyl phenyl ether		ND		16	63
Chrysene		ND		1.4	8.4
Dibenz(a,h)anthracene		ND		0.83	8.4
Dibenzofuran		ND		0.83	63
3,3'-Dichlorobenzidine		ND		23	130
2,4-Dichlorophenol		ND		25	190
Diethyl phthalate		ND		20	88
2,4-Dimethylphenol		ND		25	190
Dimethyl phthalate		ND		21	88
Di-n-butyl phthalate		130	B	19	88
4,6-Dinitro-2-methylphenol		ND		12	190
2,4-Dinitrophenol		ND		27	420
2,4-Dinitrotoluene		ND		21	250
2,6-Dinitrotoluene		ND		27	250
Di-n-octyl phthalate		ND		10	88
Fluoranthene		ND		0.69	8.4
Fluorene		ND		0.67	8.4
Hexachlorobenzene		ND		2.7	8.4
Hexachlorobutadiene		ND		7.1	63
Hexachlorocyclopentadiene		ND		10	420
Hexachloroethane		ND		11	63
Indeno[1,2,3-cd]pyrene		ND		0.44	8.4
Isophorone		ND		16	63
2-Methylnaphthalene		ND		0.63	8.4
2-Methylphenol		ND		14	250
3 & 4 Methylphenol		ND		25	500
Naphthalene		ND		1.0	8.4

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31021026.D
Dilution:	1.0			Initial Weight/Volume:	29.66 g
Analysis Date:	10/21/2013 1950			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		11	250
3-Nitroaniline		ND		20	250
4-Nitroaniline		ND		33	250
Nitrobenzene		ND		2.8	130
2-Nitrophenol		ND		10	63
4-Nitrophenol		ND		21	420
N-Nitrosodi-n-propylamine		ND		8.0	63
N-Nitrosodiphenylamine		ND		27	63
Pentachlorophenol		ND		11	190
Phenanthrene		ND		0.92	8.4
Phenol		ND		9.2	63
Pyrene		ND		0.56	8.4
2,4,5-Trichlorophenol		ND		32	190
2,4,6-Trichlorophenol		ND		11	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	62		24 - 110
2-Fluorophenol (Surr)	56		24 - 110
Nitrobenzene-d5 (Surr)	58		20 - 110
Phenol-d5 (Surr)	53		26 - 110
Terphenyl-d14 (Surr)	83		36 - 110
2,4,6-Tribromophenol (Surr)	48		10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31023029.D
Dilution:	4.0			Initial Weight/Volume:	29.89 g
Analysis Date:	10/23/2013 2207			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		3.9	34
Acenaphthylene		ND		1.8	34
Acetophenone		ND		47	510
Anthracene		27	J	4.0	34
Benzo[a]anthracene		ND		3.2	34
Benzo[a]pyrene		19	J	3.2	34
Benzo[b]fluoranthene		26	J	3.0	34
Benzo[g,h,i]perylene		ND		1.8	34
Benzo[k]fluoranthene		ND		3.4	34
Bis(2-chloroethoxy)methane		ND		110	510
Bis(2-chloroethyl)ether		ND		10	510
bis (2-chloroisopropyl) ether		ND		48	510
Bis(2-ethylhexyl) phthalate		100	J B	96	350
4-Bromophenyl phenyl ether		ND		66	250
Butyl benzyl phthalate		ND		51	350
Carbazole		ND		140	250
4-Chloroaniline		ND		86	760
4-Chloro-3-methylphenol		ND		110	760
2-Chlorophenol		ND		42	250
4-Chlorophenyl phenyl ether		ND		66	250
Chrysene		ND		5.6	34
Dibenz(a,h)anthracene		ND		3.3	34
Dibenzofuran		19	J	3.3	250
3,3'-Dichlorobenzidine		ND		91	510
2,4-Dichlorophenol		ND		100	760
Diethyl phthalate		ND		81	350
2,4-Dimethylphenol		ND		100	760
Dimethyl phthalate		ND		86	350
Di-n-butyl phthalate		83	J B	76	350
4,6-Dinitro-2-methylphenol		ND		47	760
2,4-Dinitrophenol		ND		110	1700
2,4-Dinitrotoluene		ND		86	1000
2,6-Dinitrotoluene		ND		110	1000
Di-n-octyl phthalate		ND		40	350
Fluoranthene		110		2.8	34
Fluorene		29	J	2.7	34
Hexachlorobenzene		ND		11	34
Hexachlorobutadiene		ND		28	250
Hexachlorocyclopentadiene		ND		41	1700
Hexachloroethane		ND		46	250
Indeno[1,2,3-cd]pyrene		ND		1.8	34
Isophorone		ND		66	250
2-Methylnaphthalene		ND		2.5	34
2-Methylphenol		ND		56	1000
3 & 4 Methylphenol		ND		100	2000
Naphthalene		18	J	4.2	34

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-105383	Lab File ID:	31023029.D
Dilution:	4.0			Initial Weight/Volume:	29.89 g
Analysis Date:	10/23/2013 2207			Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		46	1000
3-Nitroaniline		ND		81	1000
4-Nitroaniline		ND		130	1000
Nitrobenzene		ND		11	510
2-Nitrophenol		ND		42	250
4-Nitrophenol		ND		86	1700
N-Nitrosodi-n-propylamine		ND		32	250
N-Nitrosodiphenylamine		ND		110	250
Pentachlorophenol		ND		46	760
Phenanthrene		57		3.7	34
Phenol		ND		37	250
Pyrene		88		2.2	34
2,4,5-Trichlorophenol		ND		130	760
2,4,6-Trichlorophenol		ND		45	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		24 - 110
2-Fluorophenol (Surr)	61		24 - 110
Nitrobenzene-d5 (Surr)	84		20 - 110
Phenol-d5 (Surr)	62		26 - 110
Terphenyl-d14 (Surr)	72		36 - 110
2,4,6-Tribromophenol (Surr)	46		10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 0956			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.4	1.9
alpha-BHC		ND		0.83	1.9
alpha-Chlordane		ND		1.1	1.9
beta-BHC		ND		1.3	1.9
4,4'-DDD		ND		0.71	1.9
4,4'-DDE		ND		0.44	1.9
4,4'-DDT		ND		0.72	1.9
delta-BHC		ND		1.4	1.9
Dieldrin		ND		0.54	1.9
Endosulfan I		ND		0.59	1.9
Endosulfan II		ND		0.94	1.9
Endosulfan sulfate		ND		0.99	1.9
Endrin		ND		0.57	1.9
Endrin aldehyde		ND		1.1	1.9
Endrin ketone		ND		0.72	1.9
gamma-BHC (Lindane)		ND		0.84	1.9
gamma-Chlordane		ND		0.48	1.9
Heptachlor		ND		1.3	1.9
Heptachlor epoxide		ND		0.91	1.9
Methoxychlor		ND		1.7	3.8
Toxaphene		ND		22	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		41 - 157
Tetrachloro-m-xylene	100		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 0956			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		41 - 157
Tetrachloro-m-xylene	103		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.83 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1017			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.4	1.9
alpha-BHC		ND		0.82	1.9
alpha-Chlordane		ND		1.1	1.9
beta-BHC		ND		1.2	1.9
4,4'-DDD		ND		0.70	1.9
4,4'-DDE		ND		0.44	1.9
4,4'-DDT		ND		0.71	1.9
delta-BHC		ND		1.4	1.9
Dieldrin		ND		0.53	1.9
Endosulfan I		ND		0.59	1.9
Endosulfan II		ND		0.93	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		0.84	1.9
gamma-Chlordane		ND		0.47	1.9
Heptachlor		ND		1.2	1.9
Heptachlor epoxide		ND		0.90	1.9
Methoxychlor		ND		1.7	3.7
Toxaphene		ND		21	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		41 - 157
Tetrachloro-m-xylene	97		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.83 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1017			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		41 - 157
Tetrachloro-m-xylene	90		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1037			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.4	2.0
alpha-BHC		ND		0.87	2.0
alpha-Chlordane		ND		1.1	2.0
beta-BHC		ND		1.3	2.0
4,4'-DDD		ND		0.74	2.0
4,4'-DDE		ND		0.47	2.0
4,4'-DDT		ND		0.75	2.0
delta-BHC		ND		1.4	2.0
Dieldrin		ND		0.56	2.0
Endosulfan I		ND		0.62	2.0
Endosulfan II		ND		0.98	2.0
Endosulfan sulfate		ND		1.0	2.0
Endrin		ND		0.60	2.0
Endrin aldehyde		ND		1.2	2.0
Endrin ketone		ND		0.75	2.0
gamma-BHC (Lindane)		ND		0.88	2.0
gamma-Chlordane		ND		0.50	2.0
Heptachlor		ND		1.3	2.0
Heptachlor epoxide		ND		0.95	2.0
Methoxychlor		ND		1.8	3.9
Toxaphene		ND		23	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		41 - 157
Tetrachloro-m-xylene	98		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1037			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		41 - 157
Tetrachloro-m-xylene	107		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.53 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1058			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		7.2	10
alpha-BHC		ND		4.4	10
alpha-Chlordane		ND		5.6	10
beta-BHC		ND		6.6	10
4,4'-DDD		ND		3.7	10
4,4'-DDE		ND		2.3	10
4,4'-DDT		ND		3.8	10
delta-BHC		ND		7.2	10
Dieldrin		ND		2.8	10
Endosulfan I		ND		3.1	10
Endosulfan II		ND		4.9	10
Endosulfan sulfate		ND		5.2	10
Endrin		ND		3.0	10
Endrin aldehyde		ND		6.0	10
Endrin ketone		ND		3.8	10
gamma-BHC (Lindane)		ND		4.4	10
gamma-Chlordane		ND		2.5	10
Heptachlor		ND		6.6	10
Heptachlor epoxide		ND		4.8	10
Methoxychlor		ND		9.0	20
Toxaphene		ND		110	400

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		41 - 157
Tetrachloro-m-xylene	93		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.53 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1058			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	183	X	41 - 157
Tetrachloro-m-xylene	153	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.55 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1118			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.4	2.0
alpha-BHC		ND		0.84	2.0
alpha-Chlordane		ND		1.1	2.0
beta-BHC		ND		1.3	2.0
4,4'-DDD		ND		0.71	2.0
4,4'-DDE		ND		0.45	2.0
4,4'-DDT		ND		0.73	2.0
delta-BHC		ND		1.4	2.0
Dieldrin		ND		0.54	2.0
Endosulfan I		ND		0.60	2.0
Endosulfan II		ND		0.94	2.0
Endosulfan sulfate		ND		1.0	2.0
Endrin		ND		0.58	2.0
Endrin aldehyde		ND		1.2	2.0
Endrin ketone		ND		0.73	2.0
gamma-BHC (Lindane)		ND		0.85	2.0
gamma-Chlordane		ND		0.48	2.0
Heptachlor		ND		1.3	2.0
Heptachlor epoxide		ND		0.92	2.0
Methoxychlor		ND		1.7	3.8
Toxaphene		ND		22	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		41 - 157
Tetrachloro-m-xylene	171	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.55 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1118			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		41 - 157
Tetrachloro-m-xylene	103		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	30.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1138			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.5	2.1
alpha-BHC		ND		0.90	2.1
alpha-Chlordane		ND		1.2	2.1
beta-BHC		ND		1.4	2.1
4,4'-DDD		ND		0.77	2.1
4,4'-DDE		ND		0.48	2.1
4,4'-DDT		ND		0.78	2.1
delta-BHC		ND		1.5	2.1
Dieldrin		ND		0.58	2.1
Endosulfan I		ND		0.64	2.1
Endosulfan II		ND		1.0	2.1
Endosulfan sulfate		ND		1.1	2.1
Endrin		ND		0.62	2.1
Endrin aldehyde		ND		1.2	2.1
Endrin ketone		ND		0.78	2.1
gamma-BHC (Lindane)		ND		0.92	2.1
gamma-Chlordane		ND		0.52	2.1
Heptachlor		ND		1.4	2.1
Heptachlor epoxide		ND		0.99	2.1
Methoxychlor		ND		1.9	4.1
Toxaphene		ND		23	83

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		41 - 157
Tetrachloro-m-xylene	82		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	30.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1138			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		41 - 157
Tetrachloro-m-xylene	86		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.65 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1221			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		1.5	2.2
alpha-BHC		ND		0.93	2.2
alpha-Chlordane		ND		1.2	2.2
beta-BHC		ND		1.4	2.2
4,4'-DDD		ND		0.79	2.2
4,4'-DDE		ND		0.50	2.2
4,4'-DDT		ND		0.80	2.2
delta-BHC		ND		1.5	2.2
Dieldrin		ND		0.60	2.2
Endosulfan I		ND		0.66	2.2
Endosulfan II		ND		1.0	2.2
Endosulfan sulfate		1.1	J	1.1	2.2
Endrin		ND		0.64	2.2
Endrin aldehyde		ND		1.3	2.2
Endrin ketone		ND		0.80	2.2
gamma-BHC (Lindane)		ND		0.95	2.2
gamma-Chlordane		ND		0.54	2.2
Heptachlor		ND		1.4	2.2
Heptachlor epoxide		ND		1.0	2.2
Methoxychlor		9.2		1.9	4.2
Toxaphene		ND		24	86

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		41 - 157
Tetrachloro-m-xylene	95		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-105542	Initial Weight/Volume:	29.65 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/01/2013 1221			Injection Volume:	1 uL
Prep Date:	10/15/2013 0749			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		41 - 157
Tetrachloro-m-xylene	86		40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0529			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		18	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		19	38
Aroclor-1254		ND		19	38
Aroclor-1260		ND		19	38
Aroclor-1262		ND		31	38
Aroclor-1268		ND		16	38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	76		14 - 163
Tetrachloro-m-xylene	73		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0529			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		14 - 163
Tetrachloro-m-xylene	99		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.83 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0544			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		15	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37
Aroclor-1262		ND		30	37
Aroclor-1268		ND		16	37

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		14 - 163
Tetrachloro-m-xylene	69		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921
Client Matrix: Solid % Moisture: 10.9 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.83 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0544			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		14 - 163
Tetrachloro-m-xylene	92		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0558			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		17	39
Aroclor-1242		ND		16	39
Aroclor-1248		ND		20	39
Aroclor-1254		ND		20	39
Aroclor-1260		ND		20	39
Aroclor-1262		ND		32	39
Aroclor-1268		ND		17	39

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		14 - 163
Tetrachloro-m-xylene	72		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0558			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	48		14 - 163
Tetrachloro-m-xylene	96		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.53 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0613			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		20	40
Aroclor-1254		ND		20	40
Aroclor-1260		55		20	40
Aroclor-1262		ND		32	40
Aroclor-1268		ND		17	40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		14 - 163
Tetrachloro-m-xylene	64		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.53 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0613			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	74		14 - 163
Tetrachloro-m-xylene	82		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.55 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0627			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	38
Aroclor-1221		ND		18	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		20	38
Aroclor-1254		ND		20	38
Aroclor-1260		ND		20	38
Aroclor-1262		ND		31	38
Aroclor-1268		ND		16	38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		14 - 163
Tetrachloro-m-xylene	71		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.55 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0627			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		14 - 163
Tetrachloro-m-xylene	121		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	30.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0710			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		26	41
Aroclor-1221		ND		20	41
Aroclor-1232		ND		17	41
Aroclor-1242		ND		16	41
Aroclor-1248		ND		21	41
Aroclor-1254		ND		21	41
Aroclor-1260		ND		21	41
Aroclor-1262		ND		33	41
Aroclor-1268		ND		17	41

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		14 - 163
Tetrachloro-m-xylene	66		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	30.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0710			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		14 - 163
Tetrachloro-m-xylene	86		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.65 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0754			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		27	42
Aroclor-1221		ND		20	42
Aroclor-1232		ND		18	42
Aroclor-1242		ND		17	42
Aroclor-1248		ND		22	42
Aroclor-1254		59		22	42
Aroclor-1260		ND		22	42
Aroclor-1262		ND		34	42
Aroclor-1268		ND		18	42

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		14 - 163
Tetrachloro-m-xylene	63		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-105539	Initial Weight/Volume:	29.65 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/17/2013 0754			Injection Volume:	1 uL
Prep Date:	10/15/2013 0747			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	57		14 - 163
Tetrachloro-m-xylene	79		29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820
Client Matrix: Solid % Moisture: 12.5 Date Received: 10/12/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Analysis Date:	10/22/2013 1337			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.5		0.32	1.6
Barium		25	B	0.076	21
Cadmium		0.042	J	0.038	0.53
Chromium		5.2		0.21	1.1
Lead		2.9		0.20	1.1
Selenium		ND		0.48	2.1
Silver		ND		0.11	1.1

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.58 g
Analysis Date:	10/24/2013 1916			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.018	0.12

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028
Client Matrix: Solid % Moisture: 15.0 Date Received: 10/12/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.30 g
Analysis Date:	10/22/2013 1341			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.0		0.27	1.4
Barium		11	J B	0.064	18
Cadmium		ND		0.033	0.45
Chromium		3.9		0.18	0.90
Lead		2.9		0.17	0.90
Selenium		ND		0.41	1.8
Silver		ND		0.090	0.90

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.59 g
Analysis Date:	10/24/2013 1918			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.018	0.12

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235
Client Matrix: Solid % Moisture: 15.2 Date Received: 10/12/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.48 g
Analysis Date:	10/22/2013 1345			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.7		0.24	1.2
Barium		23	B	0.057	16
Cadmium		0.10	J	0.029	0.40
Chromium		7.7		0.16	0.80
Lead		5.1		0.15	0.80
Selenium		ND		0.36	1.6
Silver		ND		0.080	0.80

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	10/24/2013 1920			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.027	J	0.017	0.12

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340
Client Matrix: Solid % Moisture: 11.9 Date Received: 10/12/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.13 g
Analysis Date:	10/22/2013 1349			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.2		0.30	1.5
Barium		47	B	0.071	20
Cadmium		ND		0.036	0.50
Chromium		7.7		0.20	1.0
Lead		5.3		0.19	1.0
Selenium		ND		0.45	2.0
Silver		ND		0.10	1.0

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.58 g
Analysis Date:	10/24/2013 1922			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445
Client Matrix: Solid % Moisture: 19.8 Date Received: 10/12/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.21 g
Analysis Date:	10/22/2013 1353			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		8.9		0.31	1.5
Barium		77	B	0.073	21
Cadmium		0.049	J	0.037	0.52
Chromium		17		0.21	1.0
Lead		9.4		0.20	1.0
Selenium		ND		0.46	2.1
Silver		ND		0.10	1.0

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	10/24/2013 1926			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.032	J	0.018	0.12

Client: EnSafe, Inc. Job Number: 240-30170-1

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543
Client Matrix: Solid % Moisture: 20.8 Date Received: 10/12/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.13 g
Analysis Date:	10/22/2013 1405			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.8		0.34	1.7
Barium		67	B	0.079	22
Cadmium		0.10	J	0.040	0.56
Chromium		14		0.22	1.1
Lead		6.0		0.21	1.1
Selenium		ND		0.50	2.2
Silver		ND		0.11	1.1

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.55 g
Analysis Date:	10/24/2013 1928			Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.036	J	0.021	0.14

General Chemistry

Client Sample ID: **CARFDPZ03S09**

Lab Sample ID: 240-30170-1 Date Sampled: 10/11/2013 0820

Client Matrix: Solid Date Received: 10/12/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105667	Analysis Date: 10/15/2013 1537						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105667	Analysis Date: 10/15/2013 1537						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARFDPZ01S09**

Lab Sample ID: 240-30170-2 Date Sampled: 10/11/2013 0921

Client Matrix: Solid Date Received: 10/12/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARFDPZ02S11**

Lab Sample ID: 240-30170-3 Date Sampled: 10/11/2013 1028

Client Matrix: Solid Date Received: 10/12/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARMW4QDS04**

Lab Sample ID: 240-30170-4 Date Sampled: 10/11/2013 1235

Client Matrix: Solid Date Received: 10/12/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	85		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	15		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARFDPZ04S09**

Lab Sample ID: 240-30170-5 Date Sampled: 10/11/2013 1340

Client Matrix: Solid Date Received: 10/12/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARDCDPZ03S10**

Lab Sample ID: 240-30170-6 Date Sampled: 10/11/2013 1445

Client Matrix: Solid Date Received: 10/12/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARMW34S10**

Lab Sample ID: 240-30170-7 Date Sampled: 10/11/2013 1543

Client Matrix: Solid Date Received: 10/12/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-105425	Analysis Date: 10/14/2013 1233						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	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/MS Semi 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 Semi VOA		
	F	MS/MSD Recovery and/or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
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.
General Chemistry		
	F	Duplicate RPD exceeds the control limit

QUALITY CONTROL RESULTS

Client: EnSafe, Inc. Job Number: 240-30170-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-105649					
LCS 240-105649/2-A	Lab Control Sample	T	Solid	5035	
MB 240-105649/1-A	Method Blank	T	Solid	5035	
240-30170-2	CARFDPZ01S09	T	Solid	5035	
240-30170-7	CARMW34S10	T	Solid	5035	
Prep Batch: 240-106085					
240-30170-1	CARFDPZ03S09	T	Solid	5035	
240-30170-3	CARFDPZ02S11	T	Solid	5035	
240-30170-4	CARMW4QDS04	T	Solid	5035	
240-30170-5	CARFDPZ04S09	T	Solid	5035	
240-30170-6	CARDCDPZ03S10	T	Solid	5035	
Analysis Batch:240-106848					
LCS 240-105649/2-A	Lab Control Sample	T	Solid	8260C	240-105649
MB 240-105649/1-A	Method Blank	T	Solid	8260C	240-105649
240-30170-2	CARFDPZ01S09	T	Solid	8260C	240-105649
240-30170-7	CARMW34S10	T	Solid	8260C	240-105649
Analysis Batch:240-106880					
LCS 240-106880/19	Lab Control Sample	T	Solid	8260C	
MB 240-106880/22	Method Blank	T	Solid	8260C	
240-30170-1	CARFDPZ03S09	T	Solid	8260C	240-106085
240-30170-3	CARFDPZ02S11	T	Solid	8260C	240-106085
240-30170-4	CARMW4QDS04	T	Solid	8260C	240-106085
240-30170-5	CARFDPZ04S09	T	Solid	8260C	240-106085
240-30170-6	CARDCDPZ03S10	T	Solid	8260C	240-106085

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30170-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-105383					
LCS 240-105383/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-105383/23-A	Method Blank	T	Solid	3540C	
240-30170-1	CARFDPZ03S09	T	Solid	3540C	
240-30170-2	CARFDPZ01S09	T	Solid	3540C	
240-30170-3	CARFDPZ02S11	T	Solid	3540C	
240-30170-4	CARMW4QDS04	T	Solid	3540C	
240-30170-5	CARFDPZ04S09	T	Solid	3540C	
240-30170-6	CARDCDPZ03S10	T	Solid	3540C	
240-30170-7	CARMW34S10	T	Solid	3540C	
Analysis Batch:240-106337					
LCS 240-105383/24-A	Lab Control Sample	T	Solid	8270D	240-105383
MB 240-105383/23-A	Method Blank	T	Solid	8270D	240-105383
240-30170-1	CARFDPZ03S09	T	Solid	8270D	240-105383
240-30170-2	CARFDPZ01S09	T	Solid	8270D	240-105383
240-30170-3	CARFDPZ02S11	T	Solid	8270D	240-105383
240-30170-4	CARMW4QDS04	T	Solid	8270D	240-105383
240-30170-5	CARFDPZ04S09	T	Solid	8270D	240-105383
240-30170-6	CARDCDPZ03S10	T	Solid	8270D	240-105383
Analysis Batch:240-106711					
240-30170-7	CARMW34S10	T	Solid	8270D	240-105383

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30170-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-105539					
LCS 240-105539/12-A	Lab Control Sample	T	Solid	3540C	
MB 240-105539/11-A	Method Blank	T	Solid	3540C	
240-30170-1	CARFDPZ03S09	T	Solid	3540C	
240-30170-2	CARFDPZ01S09	T	Solid	3540C	
240-30170-3	CARFDPZ02S11	T	Solid	3540C	
240-30170-4	CARMW4QDS04	T	Solid	3540C	
240-30170-5	CARFDPZ04S09	T	Solid	3540C	
240-30170-5MS	Matrix Spike	T	Solid	3540C	
240-30170-5MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-30170-6	CARDCDPZ03S10	T	Solid	3540C	
240-30170-7	CARMW34S10	T	Solid	3540C	
Prep Batch: 240-105542					
LCS 240-105542/11-A	Lab Control Sample	T	Solid	3540C	
MB 240-105542/10-A	Method Blank	T	Solid	3540C	
240-30170-1	CARFDPZ03S09	T	Solid	3540C	
240-30170-2	CARFDPZ01S09	T	Solid	3540C	
240-30170-3	CARFDPZ02S11	T	Solid	3540C	
240-30170-4	CARMW4QDS04	T	Solid	3540C	
240-30170-5	CARFDPZ04S09	T	Solid	3540C	
240-30170-6	CARDCDPZ03S10	T	Solid	3540C	
240-30170-6MS	Matrix Spike	T	Solid	3540C	
240-30170-6MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-30170-7	CARMW34S10	T	Solid	3540C	
Analysis Batch:240-105901					
PB 240-105901/2	Preparation / Extraction Blank	T	Solid	8082A	
LCS 240-105539/12-A	Lab Control Sample	T	Solid	8082A	240-105539
MB 240-105539/11-A	Method Blank	T	Solid	8082A	240-105539
240-30170-1	CARFDPZ03S09	T	Solid	8082A	240-105539
240-30170-2	CARFDPZ01S09	T	Solid	8082A	240-105539
240-30170-3	CARFDPZ02S11	T	Solid	8082A	240-105539
240-30170-4	CARMW4QDS04	T	Solid	8082A	240-105539
240-30170-5	CARFDPZ04S09	T	Solid	8082A	240-105539
240-30170-5MS	Matrix Spike	T	Solid	8082A	240-105539
240-30170-5MSD	Matrix Spike Duplicate	T	Solid	8082A	240-105539
240-30170-6	CARDCDPZ03S10	T	Solid	8082A	240-105539
240-30170-7	CARMW34S10	T	Solid	8082A	240-105539

Client: EnSafe, Inc. Job Number: 240-30170-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-108014					
PB 240-108014/3	Preparation / Extraction Blank	T	Solid	8081B	
LCS 240-105542/11-A	Lab Control Sample	T	Solid	8081B	240-105542
MB 240-105542/10-A	Method Blank	T	Solid	8081B	240-105542
240-30170-1	CARFDPZ03S09	T	Solid	8081B	240-105542
240-30170-2	CARFDPZ01S09	T	Solid	8081B	240-105542
240-30170-3	CARFDPZ02S11	T	Solid	8081B	240-105542
240-30170-4	CARMW4QDS04	T	Solid	8081B	240-105542
240-30170-5	CARFDPZ04S09	T	Solid	8081B	240-105542
240-30170-6	CARDCDPZ03S10	T	Solid	8081B	240-105542
240-30170-6MS	Matrix Spike	T	Solid	8081B	240-105542
240-30170-6MSD	Matrix Spike Duplicate	T	Solid	8081B	240-105542
240-30170-7	CARMW34S10	T	Solid	8081B	240-105542

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30170-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-105998					
LCS 240-105998/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-105998/1-A	Method Blank	T	Solid	3050B	
240-30170-1	CARFDPZ03S09	T	Solid	3050B	
240-30170-3	CARFDPZ02S11	T	Solid	3050B	
240-30170-4	CARMW4QDS04	T	Solid	3050B	
240-30170-5	CARFDPZ04S09	T	Solid	3050B	
240-30170-6	CARDCDPZ03S10	T	Solid	3050B	
240-30170-7	CARMW34S10	T	Solid	3050B	
Prep Batch: 240-106021					
LCS 240-106021/2-A	Lab Control Sample	T	Solid	7471B	
MB 240-106021/1-A	Method Blank	T	Solid	7471B	
240-30170-1	CARFDPZ03S09	T	Solid	7471B	
240-30170-3	CARFDPZ02S11	T	Solid	7471B	
240-30170-4	CARMW4QDS04	T	Solid	7471B	
240-30170-5	CARFDPZ04S09	T	Solid	7471B	
240-30170-6	CARDCDPZ03S10	T	Solid	7471B	
240-30170-7	CARMW34S10	T	Solid	7471B	
Analysis Batch:240-106684					
LCS 240-105998/2-A	Lab Control Sample	T	Solid	6010C	240-105998
MB 240-105998/1-A	Method Blank	T	Solid	6010C	240-105998
240-30170-1	CARFDPZ03S09	T	Solid	6010C	240-105998
240-30170-3	CARFDPZ02S11	T	Solid	6010C	240-105998
240-30170-4	CARMW4QDS04	T	Solid	6010C	240-105998
240-30170-5	CARFDPZ04S09	T	Solid	6010C	240-105998
240-30170-6	CARDCDPZ03S10	T	Solid	6010C	240-105998
240-30170-7	CARMW34S10	T	Solid	6010C	240-105998
Analysis Batch:240-107033					
LCS 240-106021/2-A	Lab Control Sample	T	Solid	7471B	240-106021
MB 240-106021/1-A	Method Blank	T	Solid	7471B	240-106021
240-30170-1	CARFDPZ03S09	T	Solid	7471B	240-106021
240-30170-3	CARFDPZ02S11	T	Solid	7471B	240-106021
240-30170-4	CARMW4QDS04	T	Solid	7471B	240-106021
240-30170-5	CARFDPZ04S09	T	Solid	7471B	240-106021
240-30170-6	CARDCDPZ03S10	T	Solid	7471B	240-106021
240-30170-7	CARMW34S10	T	Solid	7471B	240-106021

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30170-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-105425					
240-30170-2	CARFDPZ01S09	T	Solid	Moisture	
240-30170-3	CARFDPZ02S11	T	Solid	Moisture	
240-30170-4	CARMW4QDS04	T	Solid	Moisture	
240-30170-4DU	Duplicate	T	Solid	Moisture	
240-30170-5	CARFDPZ04S09	T	Solid	Moisture	
240-30170-6	CARDCDPZ03S10	T	Solid	Moisture	
240-30170-7	CARMW34S10	T	Solid	Moisture	
Analysis Batch:240-105667					
240-30170-1	CARFDPZ03S09	T	Solid	Moisture	

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 240-30170-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
240-30170-1	CARFDPZ03S09	86	89	91	89
240-30170-3	CARFDPZ02S11	88	94	95	95
240-30170-4	CARMW4QDS04	89	92	99	88
240-30170-5	CARFDPZ04S09	87	84	92	86
240-30170-6	CARDCDPZ03S10	85	87	91	90

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

Client: EnSafe, Inc.

Job Number: 240-30170-1

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
MB 240-106880/22		93	91	89	94
LCS 240-106880/19		103	102	104	105

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: 240-30170-1

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
MRL 240-106848/5		113	114	114	111

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	10-150
DBFM = Dibromofluoromethane (Surr)	10-150
BFB = 4-Bromofluorobenzene (Surr)	10-150
DCA = 1,2-Dichloroethane-d4 (Surr)	10-150

Client: EnSafe, Inc. Job Number: 240-30170-1

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
240-30170-2	CARFDPZ01S09	107	103	108	100
240-30170-7	CARMW34S10	84	83	86	83
MB 240-105649/1-A		107	107	111	107
LCS 240-105649/2-A		90	95	95	90

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122
BFB = 4-Bromofluorobenzene (Surr)	26-141
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128

Client: EnSafe, Inc. Job Number: 240-30170-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec
240-30170-1	CARFDPZ03S09	72	70	64	73	96	63
240-30170-2	CARFDPZ01S09	74	72	75	70	101	49
240-30170-3	CARFDPZ02S11	74	68	69	70	99	55
240-30170-4	CARMW4QDS04	73	66	65	71	99	67
240-30170-5	CARFDPZ04S09	66	61	58	63	92	43
240-30170-6	CARDCDPZ03S10	62	56	58	53	83	48
240-30170-7	CARMW34S10	58	61	84	62	72	46
MB 240-105383/23-A		78	72	73	77	109	55
LCS 240-105383/24-A		69	69	65	69	95	72

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30170-1	CARFDPZ03S09	105	108	103	100
240-30170-2	CARFDPZ01S09	104	110	90	97
240-30170-3	CARFDPZ02S11	113	112	107	98
240-30170-4	CARMW4QDS04	183X	120	153X	93
240-30170-5	CARFDPZ04S09	107	105	103	171X
240-30170-6	CARDCDPZ03S10	98	99	86	82
240-30170-7	CARMW34S10	81	84	86	95
MB 240-105542/10-A		106	98	162X	381X
LCS 240-105542/11-A		100	101	177X	326X
240-30170-6 MS	CARDCDPZ03S10 MS	108	104	96	88
240-30170-6 MSD	CARDCDPZ03S10 MSD	104	97	105	84

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30170-1	CARFDPZ03S09	81	76	99	73
240-30170-2	CARFDPZ01S09	82	78	92	69
240-30170-3	CARFDPZ02S11	48	84	96	72
240-30170-4	CARMW4QDS04	74	78	82	64
240-30170-5	CARFDPZ04S09	87	86	121	71
240-30170-6	CARDCDPZ03S10	82	77	86	66
240-30170-7	CARMW34S10	57	97	79	63
MB 240-105539/11-A		85	77	149	71
LCS 240-105539/12-A		83	79	115	77
240-30170-5 MS	CARFDPZ04S09 MS	89	84	100	82
240-30170-5 MSD	CARFDPZ04S09 MSD	83	76	107	77

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-105649 **Method: 8260C**
Preparation: 5035

Lab Sample ID:	MB 240-105649/1-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233237.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1734	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		43	1000
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
Acetone	ND		170	1000
1,3-Dichlorobenzene	ND		4.8	250
Benzene	ND		12	250
1,4-Dichlorobenzene	ND		8.0	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
1,1-Dichloroethane	ND		17	250
Carbon tetrachloride	ND		6.4	250
1,2-Dichloroethane	ND		10	250
Chlorobenzene	ND		6.4	250
Chlorodibromomethane	ND		12	250
1,1-Dichloroethene	ND		18	250
Chloroethane	ND		61	250
1,2-Dichloropropane	ND		8.2	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
2-Hexanone	ND		20	1000
cis-1,3-Dichloropropene	ND		7.9	250
Dichlorodifluoromethane	ND		16	250
Dichlorobromomethane	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Ethylbenzene	ND		5.4	250
Isopropylbenzene	ND		6.5	250
Methyl tert-butyl ether	ND		7.1	250
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	19.9	J	6.2	250
o-Xylene	ND		8.5	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
Styrene	ND		5.6	250
Tetrachloroethene	21.0	J	12	250
Toluene	ND		17	250
trans-1,2-Dichloroethene	25.3	J	9.2	250
trans-1,3-Dichloropropene	ND		20	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,1,1-Trichloroethane	ND		21	250
1,1,2-Trichloroethane	ND		12	250
Ethylene Dibromide	ND		10	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-105649

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 240-105649/1-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233237.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1734	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	19.9	J	6.2	500

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	107	33 - 134
Dibromofluoromethane (Surr)	107	30 - 122
4-Bromofluorobenzene (Surr)	111	26 - 141
1,2-Dichloroethane-d4 (Surr)	107	39 - 128

Method Blank TICs- Batch: 240-105649

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
109-99-9	Tetrahydrofuran	4.66	80.5	J
	Unknown	2.14	549	T J

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Control Sample - Batch: 240-105649

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 240-105649/2-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1759	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	2000	2080	104	10 - 199	
1,2-Dibromo-3-Chloropropane	1000	873	87	10 - 129	
1,2-Dichlorobenzene	1000	1030	103	68 - 118	
Acetone	2000	1920	96	16 - 156	
1,3-Dichlorobenzene	1000	1040	104	66 - 121	
Benzene	1000	956	96	70 - 117	
1,4-Dichlorobenzene	1000	996	100	65 - 119	
Bromoform	1000	812	81	10 - 117	
Bromomethane	1000	744	74	10 - 114	
Carbon disulfide	1000	465	47	10 - 132	
1,1-Dichloroethane	1000	961	96	63 - 117	
Carbon tetrachloride	1000	975	97	29 - 118	
1,2-Dichloroethane	1000	974	97	68 - 119	
Chlorobenzene	1000	1020	102	71 - 116	
Chlorodibromomethane	1000	861	86	22 - 113	
1,1-Dichloroethene	1000	932	93	44 - 143	
Chloroethane	1000	997	100	10 - 120	
1,2-Dichloropropane	1000	1010	101	73 - 113	
Chloroform	1000	970	97	63 - 116	
Chloromethane	1000	681	68	25 - 110	
cis-1,2-Dichloroethene	1000	928	93	60 - 125	
2-Hexanone	2000	1930	96	43 - 130	
cis-1,3-Dichloropropene	1000	941	94	25 - 120	
Dichlorodifluoromethane	1000	603	60	10 - 110	
Dichlorobromomethane	1000	904	90	28 - 123	
4-Methyl-2-pentanone (MIBK)	2000	1920	96	49 - 121	
Ethylbenzene	1000	1020	102	66 - 119	
Isopropylbenzene	1000	1040	104	61 - 123	
Methyl tert-butyl ether	1000	1020	102	34 - 157	
Methylene Chloride	1000	969	97	27 - 172	
m-Xylene & p-Xylene	1000	1100	110	67 - 118	
o-Xylene	1000	1020	102	68 - 120	
1,1,2,2-Tetrachloroethane	1000	879	88	54 - 121	
Styrene	1000	1040	104	60 - 120	
Tetrachloroethene	1000	1050	105	58 - 131	
Toluene	1000	1020	102	66 - 123	
trans-1,2-Dichloroethene	1000	1090	109	58 - 121	
trans-1,3-Dichloropropene	1000	964	96	22 - 122	
1,2,4-Trichlorobenzene	1000	1070	107	41 - 135	
1,1,1-Trichloroethane	1000	1000	100	38 - 122	
1,1,2-Trichloroethane	1000	912	91	74 - 114	

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Control Sample - Batch: 240-105649

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 240-105649/2-A	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-105649	Lab File ID:	U1233238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/23/2013 1759	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/15/2013 1330				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	1000	944	94	47 - 123	
Trichloroethene	1000	1000	100	59 - 124	
Trichlorofluoromethane	1000	1020	102	17 - 145	
Vinyl chloride	1000	758	76	33 - 110	
Xylenes, Total	2000	2120	106	68 - 119	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	90	33 - 134
Dibromofluoromethane (Surr)	95	30 - 122
4-Bromofluorobenzene (Surr)	95	26 - 141
1,2-Dichloroethane-d4 (Surr)	90	39 - 128

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Reporting Limit Check - Batch: 240-106848 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MRL 240-106848/5	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	U1233236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/23/2013 1710	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	0.00200	ND	205	10 - 150	^
1,2-Dibromo-3-Chloropropane	0.00100	ND	75	10 - 150	
1,2-Dichlorobenzene	0.00100	ND	125	10 - 150	
Acetone	0.00200	ND	24	10 - 150	
1,3-Dichlorobenzene	0.00100	ND	129	10 - 150	
Benzene	0.00100	ND	131	10 - 150	
1,4-Dichlorobenzene	0.00100	ND	122	10 - 150	
Bromoform	0.00100	ND	85	10 - 150	
Bromomethane	0.00100	ND	140	10 - 150	
Carbon disulfide	0.00100	ND	109	10 - 150	
1,1-Dichloroethane	0.00100	ND	122	10 - 150	
Carbon tetrachloride	0.00100	ND	131	10 - 150	
1,2-Dichloroethane	0.00100	ND	129	10 - 150	
Chlorobenzene	0.00100	ND	128	10 - 150	
Chlorodibromomethane	0.00100	ND	107	10 - 150	
1,1-Dichloroethene	0.00100	ND	109	10 - 150	
Chloroethane	0.00100	ND	128	10 - 150	
1,2-Dichloropropane	0.00100	ND	139	10 - 150	
Chloroform	0.00100	ND	115	10 - 150	
Chloromethane	0.00100	ND	122	10 - 150	
cis-1,2-Dichloroethene	0.00100	ND	128	10 - 150	
2-Hexanone	0.00200	ND	104	10 - 150	
cis-1,3-Dichloropropene	0.00100	ND	105	10 - 150	
Dichlorodifluoromethane	0.00100	ND	125	10 - 150	
Dichlorobromomethane	0.00100	ND	114	10 - 150	
4-Methyl-2-pentanone (MIBK)	0.00200	ND	113	10 - 150	
Ethylbenzene	0.00100	ND	115	10 - 150	
Isopropylbenzene	0.00100	ND	106	10 - 150	
Methyl tert-butyl ether	0.00100	ND	122	10 - 150	
Methylene Chloride	0.00100	ND	61	10 - 150	
m-Xylene & p-Xylene	0.00100	ND	112	10 - 150	
o-Xylene	0.00100	ND	106	10 - 150	
1,1,2,2-Tetrachloroethane	0.00100	ND	110	10 - 150	
Styrene	0.00100	ND	114	10 - 150	
Tetrachloroethene	0.00100	ND	99	10 - 150	
Toluene	0.00100	ND	131	10 - 150	
trans-1,2-Dichloroethene	0.00100	ND	124	10 - 150	
trans-1,3-Dichloropropene	0.00100	ND	106	10 - 150	
1,2,4-Trichlorobenzene	0.00100	ND	112	10 - 150	
1,1,1-Trichloroethane	0.00100	ND	132	10 - 150	
1,1,2-Trichloroethane	0.00100	ND	116	10 - 150	

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Reporting Limit Check - Batch: 240-106848

Method: 8260C
Preparation: N/A

Lab Sample ID:	MRL 240-106848/5	Analysis Batch:	240-106848	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	U1233236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/23/2013 1710	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	0.00100	ND	123	10 - 150	
Trichloroethene	0.00100	ND	107	10 - 150	
Trichlorofluoromethane	0.00100	ND	162	10 - 150	^
Vinyl chloride	0.00100	ND	124	10 - 150	
Xylenes, Total	0.00200	ND	0	10 - 150	^

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	113	10 - 150
Dibromofluoromethane (Surr)	114	10 - 150
4-Bromofluorobenzene (Surr)	114	10 - 150
1,2-Dichloroethane-d4 (Surr)	111	10 - 150

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-106880 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MB 240-106880/22	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88239.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/24/2013 1233	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		1.4	20
1,2-Dibromo-3-Chloropropane	ND		1.3	10
1,2-Dichlorobenzene	ND		0.36	5.0
Acetone	ND		6.3	20
1,3-Dichlorobenzene	ND		0.35	5.0
Benzene	ND		0.23	5.0
1,4-Dichlorobenzene	ND		0.66	5.0
Bromoform	ND		0.33	5.0
Bromomethane	ND		0.54	5.0
Carbon disulfide	ND		0.44	5.0
1,1-Dichloroethane	ND		0.36	5.0
Carbon tetrachloride	ND		0.37	5.0
1,2-Dichloroethane	ND		0.34	5.0
Chlorobenzene	ND		0.33	5.0
Chlorodibromomethane	ND		0.55	5.0
1,1-Dichloroethene	ND		0.52	5.0
Chloroethane	ND		0.86	5.0
1,2-Dichloropropane	ND		0.69	5.0
Chloroform	ND		0.29	5.0
Chloromethane	ND		0.41	5.0
cis-1,2-Dichloroethene	ND		0.36	5.0
2-Hexanone	ND		0.63	20
cis-1,3-Dichloropropene	ND		0.34	5.0
Dichlorodifluoromethane	ND		0.50	5.0
Dichlorobromomethane	ND		0.28	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.54	20
Ethylbenzene	ND		0.26	5.0
Isopropylbenzene	ND		0.16	5.0
Methyl tert-butyl ether	ND		0.43	5.0
Methylene Chloride	ND		0.67	5.0
m-Xylene & p-Xylene	ND		1.2	10
o-Xylene	ND		0.35	5.0
1,1,2,2-Tetrachloroethane	ND		0.34	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
1,2,4-Trichlorobenzene	ND		0.27	5.0
1,1,1-Trichloroethane	ND		0.56	5.0
1,1,2-Trichloroethane	ND		0.39	5.0
Ethylene Dibromide	ND		0.50	5.0
Trichloroethene	ND		0.42	5.0
Trichlorofluoromethane	ND		0.34	5.0
Vinyl chloride	ND		0.39	5.0

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-106880 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MB 240-106880/22	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88239.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/24/2013 1233	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.35	10

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	93	67 - 125
Dibromofluoromethane (Surr)	91	37 - 132
4-Bromofluorobenzene (Surr)	89	52 - 136
1,2-Dichloroethane-d4 (Surr)	94	58 - 123

Method Blank TICs- Batch: 240-106880

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Control Sample - Batch: 240-106880 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	LCS 240-106880/19	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/24/2013 1129	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	50.0	62.1	124	52 - 131	
1,2-Dibromo-3-Chloropropane	25.0	24.8	99	61 - 132	
1,2-Dichlorobenzene	25.0	27.3	109	76 - 110	
Acetone	50.0	66.1	132	41 - 137	
1,3-Dichlorobenzene	25.0	25.9	104	78 - 111	
Benzene	25.0	28.2	113	79 - 112	*
1,4-Dichlorobenzene	25.0	25.4	101	75 - 110	
Bromoform	25.0	28.7	115	62 - 133	
Bromomethane	25.0	28.2	113	42 - 136	
Carbon disulfide	25.0	28.1	112	62 - 146	
1,1-Dichloroethane	25.0	27.8	111	76 - 115	
Carbon tetrachloride	25.0	28.5	114	71 - 129	
1,2-Dichloroethane	25.0	28.4	114	72 - 120	
Chlorobenzene	25.0	27.1	108	78 - 110	
Chlorodibromomethane	25.0	28.7	115	72 - 127	
1,1-Dichloroethene	25.0	26.5	106	75 - 135	
Chloroethane	25.0	26.2	105	58 - 117	
1,2-Dichloropropane	25.0	29.1	116	87 - 113	*
Chloroform	25.0	28.7	115	77 - 114	*
Chloromethane	25.0	25.6	102	50 - 110	
cis-1,2-Dichloroethene	25.0	28.6	114	76 - 113	*
2-Hexanone	50.0	62.3	125	64 - 136	
cis-1,3-Dichloropropene	25.0	30.6	123	74 - 128	
Dichlorodifluoromethane	25.0	24.9	99	26 - 113	
Dichlorobromomethane	25.0	29.0	116	84 - 122	
4-Methyl-2-pentanone (MIBK)	50.0	67.6	135	67 - 135	
Ethylbenzene	25.0	27.2	109	79 - 117	
Isopropylbenzene	25.0	26.9	107	76 - 122	
Methyl tert-butyl ether	25.0	31.4	125	49 - 165	
Methylene Chloride	25.0	29.4	118	75 - 118	
m-Xylene & p-Xylene	25.0	27.1	109	80 - 117	
o-Xylene	25.0	28.7	115	80 - 120	
1,1,2,2-Tetrachloroethane	25.0	27.8	111	77 - 123	
Styrene	25.0	27.8	111	87 - 117	
Tetrachloroethene	25.0	26.0	104	79 - 114	
Toluene	25.0	27.1	108	75 - 111	
trans-1,2-Dichloroethene	25.0	28.4	113	78 - 117	
trans-1,3-Dichloropropene	25.0	32.1	128	73 - 131	
1,2,4-Trichlorobenzene	25.0	22.5	90	64 - 124	
1,1,1-Trichloroethane	25.0	27.7	111	77 - 126	
1,1,2-Trichloroethane	25.0	28.5	114	83 - 112	*

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Control Sample - Batch: 240-106880

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 240-106880/19	Analysis Batch:	240-106880	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88236.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/24/2013 1129	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	25.0	29.5	118	83 - 117	*
Trichloroethene	25.0	27.9	112	79 - 113	
Trichlorofluoromethane	25.0	25.7	103	57 - 146	
Vinyl chloride	25.0	26.5	106	57 - 114	
Xylenes, Total	50.0	55.8	112	80 - 118	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	103	67 - 125
Dibromofluoromethane (Surr)	102	37 - 132
4-Bromofluorobenzene (Surr)	104	52 - 136
1,2-Dichloroethane-d4 (Surr)	105	58 - 123

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-105383/23-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1145	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.76	6.7
Acenaphthylene	ND		0.35	6.7
Acetophenone	ND		9.2	100
Anthracene	ND		0.78	6.7
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-chloroisopropyl) ether	ND		9.5	100
Bis(2-ethylhexyl) phthalate	52.5	J	19	70
4-Bromophenyl phenyl ether	ND		13	50
Butyl benzyl phthalate	ND		10	70
Carbazole	ND		27	50
4-Chloroaniline	ND		17	150
4-Chloro-3-methylphenol	ND		21	150
2-Chlorophenol	ND		8.2	50
4-Chlorophenyl phenyl ether	ND		13	50
Chrysene	ND		1.1	6.7
Dibenz(a,h)anthracene	ND		0.66	6.7
Dibenzofuran	ND		0.66	50
3,3'-Dichlorobenzidine	ND		18	100
2,4-Dichlorophenol	ND		20	150
Diethyl phthalate	ND		16	70
2,4-Dimethylphenol	ND		20	150
Dimethyl phthalate	ND		17	70
Di-n-butyl phthalate	135		15	70
4,6-Dinitro-2-methylphenol	ND		9.2	150
2,4-Dinitrophenol	ND		21	330
2,4-Dinitrotoluene	ND		17	200
2,6-Dinitrotoluene	ND		21	200
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
2-Methylnaphthalene	ND		0.50	6.7
2-Methylphenol	ND		11	200
3 & 4 Methylphenol	ND		20	400

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-105383/23-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1145	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Naphthalene	ND		0.82	6.7
2-Nitroaniline	ND		9.1	200
3-Nitroaniline	ND		16	200
4-Nitroaniline	ND		26	200
Nitrobenzene	ND		2.2	100
2-Nitrophenol	ND		8.3	50
4-Nitrophenol	ND		17	330
N-Nitrosodi-n-propylamine	ND		6.3	50
N-Nitrosodiphenylamine	ND		21	50
Pentachlorophenol	ND		9.1	150
Phenanthrene	ND		0.73	6.7
Phenol	ND		7.3	50
Pyrene	ND		0.44	6.7
2,4,5-Trichlorophenol	ND		25	150
2,4,6-Trichlorophenol	ND		8.9	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	78	24 - 110
2-Fluorophenol (Surr)	72	24 - 110
Nitrobenzene-d5 (Surr)	73	20 - 110
Phenol-d5 (Surr)	77	26 - 110
Terphenyl-d14 (Surr)	109	36 - 110
2,4,6-Tribromophenol (Surr)	55	10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Control Sample - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-105383/24-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1209	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	451	68	38 - 110	
Acenaphthylene	667	412	62	40 - 110	
Acetophenone	667	400	60	40 - 110	
Anthracene	667	486	73	48 - 110	
Benzo[a]anthracene	667	501	75	50 - 110	
Benzo[a]pyrene	667	481	72	44 - 110	
Benzo[b]fluoranthene	667	502	75	43 - 110	
Benzo[g,h,i]perylene	667	503	75	51 - 110	
Benzo[k]fluoranthene	667	520	78	38 - 105	
Bis(2-chloroethoxy)methane	667	440	66	32 - 110	
Bis(2-chloroethyl)ether	667	429	64	34 - 110	
bis (2-chloroisopropyl) ether	667	423	63	29 - 110	
Bis(2-ethylhexyl) phthalate	667	513	77	50 - 110	
4-Bromophenyl phenyl ether	667	482	72	39 - 110	
Butyl benzyl phthalate	667	496	74	51 - 110	
Carbazole	667	532	80	50 - 110	
4-Chloroaniline	667	378	57	30 - 110	
4-Chloro-3-methylphenol	667	463	69	48 - 110	
2-Chlorophenol	667	434	65	37 - 110	
4-Chlorophenyl phenyl ether	667	447	67	40 - 110	
Chrysene	667	494	74	50 - 110	
Dibenz(a,h)anthracene	667	514	77	51 - 110	
Dibenzofuran	667	444	67	43 - 110	
3,3'-Dichlorobenzidine	1330	1010	76	28 - 110	
2,4-Dichlorophenol	667	452	68	39 - 110	
Diethyl phthalate	667	464	70	52 - 110	
2,4-Dimethylphenol	667	430	65	29 - 110	
Dimethyl phthalate	667	449	67	50 - 110	
Di-n-butyl phthalate	667	549	82	51 - 110	
4,6-Dinitro-2-methylphenol	1330	724	54	10 - 110	
2,4-Dinitrophenol	1330	603	45	10 - 110	
2,4-Dinitrotoluene	667	477	72	48 - 110	
2,6-Dinitrotoluene	667	446	67	45 - 110	
Di-n-octyl phthalate	667	484	73	48 - 110	
Fluoranthene	667	496	74	51 - 110	
Fluorene	667	456	68	46 - 110	
Hexachlorobenzene	667	456	68	43 - 110	
Hexachlorobutadiene	667	420	63	29 - 110	
Hexachlorocyclopentadiene	667	308	46	12 - 110	J
Hexachloroethane	667	429	64	30 - 110	
Indeno[1,2,3-cd]pyrene	667	491	74	50 - 110	

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Control Sample - Batch: 240-105383

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-105383/24-A	Analysis Batch:	240-106337	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-105383	Lab File ID:	31021007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/21/2013 1209	Units:	ug/Kg	Final Weight/Volume:	2.0 mL
Prep Date:	10/14/2013 0851			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isophorone	667	413	62	36 - 110	
2-Methylnaphthalene	667	442	66	36 - 110	
2-Methylphenol	667	422	63	41 - 110	
3 & 4 Methylphenol	667	464	70	40 - 110	
Naphthalene	667	416	62	36 - 110	
2-Nitroaniline	667	463	69	45 - 110	
3-Nitroaniline	667	470	70	44 - 110	
4-Nitroaniline	667	504	76	48 - 110	
Nitrobenzene	667	423	64	32 - 110	
2-Nitrophenol	667	430	64	34 - 110	
4-Nitrophenol	1330	916	69	28 - 110	
N-Nitrosodi-n-propylamine	667	438	66	38 - 110	
N-Nitrosodiphenylamine	1330	949	71	46 - 110	
Pentachlorophenol	1330	809	61	10 - 110	
Phenanthrene	667	459	69	49 - 110	
Phenol	667	435	65	38 - 110	
Pyrene	667	495	74	49 - 110	
2,4,5-Trichlorophenol	667	437	66	25 - 110	
2,4,6-Trichlorophenol	667	427	64	12 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	69	24 - 110
2-Fluorophenol (Surr)	69	24 - 110
Nitrobenzene-d5 (Surr)	65	20 - 110
Phenol-d5 (Surr)	69	26 - 110
Terphenyl-d14 (Surr)	95	36 - 110
2,4,6-Tribromophenol (Surr)	72	10 - 110

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-105542 **Method: 8081B**
Preparation: 3540C

Lab Sample ID:	MB 240-105542/10-A	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105542	Lab File ID:	P3110117.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/01/2013 1242	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0749			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
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
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	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
Methoxychlor	ND		1.5	3.3
Toxaphene	ND		19	67

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	98		41 - 157
Tetrachloro-m-xylene	381	X	40 - 149

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	106		41 - 157
Tetrachloro-m-xylene	162	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Lab Control Sample - Batch: 240-105542 **Method: 8081B**
Preparation: 3540C

Lab Sample ID:	LCS 240-105542/11-A	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105542	Lab File ID:	P3110108.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	11/01/2013 0935	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0749			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	33.3	31.9	96	40 - 145	
alpha-BHC	33.3	31.9	96	50 - 153	
alpha-Chlordane	33.3	32.6	98	42 - 150	
beta-BHC	33.3	32.4	97	43 - 153	
4,4'-DDD	33.3	34.0	102	53 - 160	
4,4'-DDE	33.3	34.7	104	46 - 143	
4,4'-DDT	33.3	43.8	131	40 - 157	
delta-BHC	33.3	30.1	90	54 - 152	
Dieldrin	33.3	33.7	101	51 - 154	
Endosulfan I	33.3	24.2	73	40 - 148	
Endosulfan II	33.3	34.0	102	42 - 137	
Endosulfan sulfate	33.3	39.1	117	50 - 153	
Endrin	33.3	38.9	117	55 - 147	
Endrin aldehyde	33.3	35.3	106	43 - 158	
Endrin ketone	33.3	35.4	106	41 - 142	
gamma-BHC (Lindane)	33.3	33.2	100	44 - 160	
gamma-Chlordane	33.3	33.0	99	47 - 156	
Heptachlor	33.3	31.2	94	47 - 137	
Heptachlor epoxide	33.3	32.9	99	53 - 153	
Methoxychlor	33.3	36.3	109	40 - 152	

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	101		41 - 157
Tetrachloro-m-xylene	326	X	40 - 149

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	100		41 - 157
Tetrachloro-m-xylene	177	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-105542

Method: 8081B
Preparation: 3540C

MS Lab Sample ID:	240-30170-6	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105542	Lab File ID:	P3110115.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.72 g
Analysis Date:	11/01/2013 1200			Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0749			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-30170-6	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-105542	Lab File ID:	P3110119.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.57 g
Analysis Date:	11/01/2013 1324			Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0749			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	99	94	41 - 137	5	40		
alpha-BHC	103	98	22 - 160	5	40		
alpha-Chlordane	97	93	38 - 145	5	40		
beta-BHC	146	121	27 - 160	18	40		
4,4'-DDD	109	104	16 - 160	5	40		
4,4'-DDE	106	101	37 - 150	5	40		
4,4'-DDT	178	167	24 - 160	6	40	F	F
delta-BHC	89	85	10 - 160	4	40		
Dieldrin	104	98	37 - 160	5	40		
Endosulfan I	72	68	10 - 160	5	40		
Endosulfan II	109	104	16 - 150	5	40		
Endosulfan sulfate	125	118	10 - 160	6	40		
Endrin	128	122	41 - 160	5	40		
Endrin aldehyde	124	116	10 - 160	6	38		
Endrin ketone	121	113	11 - 160	6	40		
gamma-BHC (Lindane)	106	101	18 - 160	4	40		
gamma-Chlordane	99	95	33 - 160	4	40		
Heptachlor	115	110	26 - 160	4	40		
Heptachlor epoxide	102	98	43 - 160	3	29		
Methoxychlor	158	155	10 - 160	2	39		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	97	41 - 157
Tetrachloro-m-xylene	88	84	40 - 149

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	108	104	41 - 157
Tetrachloro-m-xylene	96	105	40 - 149

Client: EnSafe, Inc. Job Number: 240-30170-1

Preparation / Extraction Blank - Batch: 240-108014 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-108014/3	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3110103.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/01/2013 0740	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Preparation / Extraction Blank - Batch: 240-108014 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-108014/3	Analysis Batch:	240-108014	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3110103.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/01/2013 0740	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Method Blank - Batch: 240-105539

Method: 8082A
Preparation: 3540C

Lab Sample ID:	MB 240-105539/11-A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-105539	Lab File ID:	P1200020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/17/2013 0725	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0747			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33
Aroclor-1262	ND		27	33
Aroclor-1268	ND		14	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	14 - 163
Tetrachloro-m-xylene	71	29 - 151

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	14 - 163
Tetrachloro-m-xylene	149	29 - 151

Lab Control Sample - Batch: 240-105539

Method: 8082A
Preparation: 3540C

Lab Sample ID:	LCS 240-105539/12-A	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-105539	Lab File ID:	P1200023.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/17/2013 0808	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0747			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	261	78	62 - 120	
Aroclor-1260	333	267	80	56 - 122	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	79	14 - 163
Tetrachloro-m-xylene	77	29 - 151

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	14 - 163
Tetrachloro-m-xylene	115	29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-105539

Method: 8082A
Preparation: 3540C

MS Lab Sample ID:	240-30170-5	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-105539	Lab File ID:	P1200017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.73 g
Analysis Date:	10/17/2013 0641			Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0747			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-30170-5	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-105539	Lab File ID:	P1200018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	29.52 g
Analysis Date:	10/17/2013 0656			Final Weight/Volume:	10 mL
Prep Date:	10/15/2013 0747			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	81	75	22 - 157	7	30		
Aroclor-1260	83	76	13 - 161	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	76	14 - 163
Tetrachloro-m-xylene	82	77	29 - 151

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	83	14 - 163
Tetrachloro-m-xylene	100	107	29 - 151

Client: EnSafe, Inc. Job Number: 240-30170-1

Preparation / Extraction Blank - Batch: 240-105901 **Method: 8082A**
Preparation: N/A

Lab Sample ID:	PB 240-105901/2	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1200002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/17/2013 0254	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
Aroclor-1016	ND		63	99
Aroclor-1221	ND		48	99
Aroclor-1232	ND		42	99
Aroclor-1242	ND		39	99
Aroclor-1248	ND		51	99
Aroclor-1254	ND		51	99
Aroclor-1260	ND		51	99
Aroclor-1262	ND		81	99
Aroclor-1268	ND		42	99

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

Preparation / Extraction Blank - Batch: 240-105901 **Method: 8082A**
Preparation: N/A

Lab Sample ID:	PB 240-105901/2	Analysis Batch:	240-105901	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1200002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/17/2013 0254	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
Aroclor-1016	ND		63	99
Aroclor-1221	ND		48	99
Aroclor-1232	ND		42	99
Aroclor-1242	ND		39	99
Aroclor-1248	ND		51	99
Aroclor-1254	ND		51	99
Aroclor-1260	ND		51	99
Aroclor-1262	ND		81	99
Aroclor-1268	ND		42	99

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

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-105998

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 240-105998/1-A	Analysis Batch:	240-106684	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/22/2013 1234	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.30	1.5
Barium	0.0989	J	0.071	20
Cadmium	ND		0.036	0.50
Chromium	ND		0.20	1.0
Lead	ND		0.19	1.0
Selenium	ND		0.45	2.0
Silver	ND		0.10	1.0

Lab Control Sample - Batch: 240-105998

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 240-105998/2-A	Analysis Batch:	240-106684	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-105998	Lab File ID:	I9102213A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/22/2013 1238	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1045				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	195	97	80 - 120	
Barium	200	191	95	80 - 120	
Cadmium	5.00	4.88	98	80 - 120	
Chromium	20.0	19.1	96	80 - 120	
Lead	50.0	47.1	94	80 - 120	
Selenium	200	192	96	80 - 120	
Silver	5.00	4.94	99	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30170-1

Method Blank - Batch: 240-106021

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 240-106021/1-A	Analysis Batch:	240-107033	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/24/2013 1900	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-106021

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 240-106021/2-A	Analysis Batch:	240-107033	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106021	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/24/2013 1903	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/17/2013 1430				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.846	101	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30170-1

Duplicate - Batch: 240-105425

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-30170-4	Analysis Batch:	240-105425	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/14/2013 1233	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	85	75	12	20	
Percent Moisture	15	25	47	20	F

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

240-30170 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

Chain of Custody Record

4.4

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client	Project Manager	Date	Chain of Custody Number
EnSafe	Shane Goodnight	10-11-13	013617
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
220 Athens Way STE 410	615-255-9300		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Nashville / TN / 37228	Joe Matthews	Amy McCormick	
Project Name and Location (State)	**Carrier/Waybill Number**		
Carrier - New York (TR-1 Sub Slab Investigation)			
Contract/Purchase Order/Quote No.			
15641			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	MeOH	Analysis: dry weight	VOCs	SVOCs, pesticides, total PCBs	RCRA Metals	Special Instructions/ Conditions of Receipt
~~CARFDPZ03S09~~ CARFDPZ03S09	10-11-13	0820				X	5						1	1	3	1	1	6 total
CARFDPZ01S09	10-11-13	0921				X	3						1		3	1		4 total (little recovery)
CARFDPZ02S11	10-11-13	1028				X	5						1	1	3	1	1	6 TOTAL
CARMW40DS04	10-11-13	1235				X	6						1	1	3	1	1	
CARFDPZ04S09	10-11-13	1340				X	5						1	1	3	1	1	
CARDCDPZ03S10	10-11-13	1445				X	5						1	1	3	1	1	
CARMW34S10	10-11-13	1543				X	5						1	1	3	1	1	

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

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

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

QC Requirements (Specify)

	Date	Time
1. Relinquished By	10/11/13	1648
2. Relinquished By	10-11-13	1900
3. Relinquished By		
1. Received By	10-11-13	16:58
2. Received By	10/12/13	920
3. Received By		

Comments

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

TestAmerica Canton Sample Receipt Form/Narrative Login # : 30170
Canton Facility

Client Ensafe Site Name _____ Cooler unpacked by: [signature]

Cooler Received on 10-12-13 Opened on 10-12-13

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	☐ See Multiple Cooler Form
IR GUN# 4	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5	(CF +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF -0 °C) Observed Cooler Temp. 4.4 °C	Corrected Cooler Temp. 4.4 °C	

2. 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	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# HC376062
11. Were VOAs on the COC?	Yes	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	No NA
13. Was a trip blank present in the cooler(s)?	Yes	No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [signature]

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

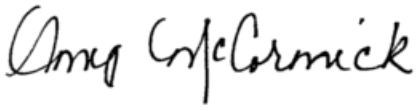
ANALYTICAL REPORT

Job Number: 240-30301-1

Job Description: Former TR-1 Sub-Slab 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
11/20/2013 12:10 PM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/20/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-30301-1

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.

Aroclor-1262 and Aroclor-1268 are 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 samples were received on 10/16/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.8 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARMW36S07 (240-30301-1), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3) and CARMW25S09 (240-30301-4) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 10/16/2013 and 10/21/2013 and analyzed on 10/24/2013 and 10/25/2013.

m-Xylene & p-Xylene was detected in method blank MB 240-106363/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Xylenes, Total was detected in method blank MB 240-106363/1-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.

Methylene Chloride was detected in method blank MB 240-106758/1-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 VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARMW36S07 (240-30301-1), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3) and CARMW25S09 (240-30301-4) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/18/2013 and analyzed on 10/23/2013.

Di-n-butyl phthalate was detected in method blank MB 240-106130/19-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. 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 SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples CARMW36S07 (240-30301-1), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3) and CARMW25S09 (240-30301-4) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 10/18/2013 and 11/01/2013 and analyzed on 11/04/2013, 11/05/2013, 11/09/2013, 11/16/2013 and 11/18/2013.

Samples CARSSIPZ03S05 (240-30301-2)[2X], CARSSIPZ03S05 (240-30301-2)[5X], CARSSIPZ04S08 (240-30301-3)[5X], CARMW25S09 (240-30301-4)[10X] and CARMW25S09 (240-30301-4)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for CARSSIPZ04S08 (240-30301-3).

The laboratory control sample associated with batch 106122, samples CARMW25S09 (240-30301-4), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3), exhibited recoveries outside quality control acceptance criteria. Upon re-extraction and re-analysis, the recoveries met acceptance criteria; however, the recommended sample holding times had expired. Both sets of data have been reported.

The opening continuing calibration verification (CCV) associated with batch 108129 recovered DDD, DDT, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor, and Methoxychlor above the upper control limits. Sample CARMW36S07 (240-30301-1) associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 108129 recovered DDT, Endosulfan Sulfate, Endrin, Heptachlor, and Methoxychlor above the upper control limits. Sample CARMW36S07 (240-30301-1) associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported.

The closing Toxaphene continuing calibration verification (CCV) associated with batch 108129 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 108338 recovered above the upper control limits. Sample CARMW36S07 (240-30301-1) associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported.

The opening continuing calibration verification (CCV) associated with batch 109089 recovered DDT and Methoxychlor above the upper control limits. Sample CARSSIPZ04S08 (240-30301-3) associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 109089 recovered DDT, Methoxychlor, delta-BHC, and Heptachlor above the upper control limits. Samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The grand mean exception, as outlined in EPA Method 8000B, was applied to the closing continuing calibration verification (CCV) standard associated with batch 110159 for delta-BHC. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 20%D. Samples CARMW25S09 (240-30301-4) and CARSSIPZ03S05 (240-30301-2) associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 110320 recovered above the upper control limits. Samples CARMW25S09 (240-30301-4) and CARSSIPZ04S08 (240-30301-3) associated with this CCV were analyzed in a previous bracket in which the opening CCV passed method 8081B criteria and the closing CCV recovered above the upper control limits demonstrating probable matrix effect; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 110320 recovered above the upper control limits. Sample CARSSIPZ03S05 (240-30301-2) associated with this CCV was non-detect 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 CARMW36S07 (240-30301-1), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3) and CARMW25S09 (240-30301-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 10/18/2013 and analyzed on 10/22/2013.

Samples CARSSIPZ03S05 (240-30301-2) and CARSSIPZ04S08 (240-30301-3) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Samples CARSSIPZ04S08 (240-30301-3)[10X] and CARMW25S09 (240-30301-4)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Sample CARSSIPZ04S08 (240-30301-3) appears to contain an unknown pattern that does not closely match any of the laboratory's Aroclor standards used for instrument calibration.

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for CARSSIPZ04S08 (240-30301-3), CARMW25S09 (240-30301-4), CARMW25S09MS (240-30301-4MS), and CARMW25S09MSD (240-30301-4MSD).

Aroclor-1260 failed the recovery criteria high for the MS/MSD of sample CARMW25S09MS/MSD (240-30301-4) in batch 240-106493. Aroclor-1260 exceeded the RPD limit.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples CARMW36S07 (240-30301-1), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3) and CARMW25S09 (240-30301-4) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/18/2013 and analyzed on 10/30/2013.

Barium was detected in method blank MB 240-106168/1-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.

MERCURY

Samples CARMW36S07 (240-30301-1), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3) and CARMW25S09 (240-30301-4) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 10/18/2013 and analyzed on 10/24/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples CARMW36S07 (240-30301-1), CARSSIPZ03S05 (240-30301-2), CARSSIPZ04S08 (240-30301-3) and CARMW25S09 (240-30301-4) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 10/18/2013.

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: 240-30301-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30301-1	**CARMW36S07**					
2-Butanone (MEK)		99	J	850	ug/Kg	8260C
cis-1,2-Dichloroethene		270		210	ug/Kg	8260C
trans-1,2-Dichloroethene		20	J	210	ug/Kg	8260C
Trichloroethene		3400		210	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		28	J	78	ug/Kg	8270D
Di-n-butyl phthalate		82	B	78	ug/Kg	8270D
Arsenic		3.8		1.3	mg/Kg	6010C
Barium		53	B	17	mg/Kg	6010C
Cadmium		0.032	J	0.43	mg/Kg	6010C
Chromium		9.4		0.86	mg/Kg	6010C
Lead		3.6		0.86	mg/Kg	6010C
Percent Solids		90		0.10	%	Moisture
Percent Moisture		10		0.10	%	Moisture
240-30301-2	**CARSSIPZ03S05**					
Acetone		16	J	20	ug/Kg	8260C
cis-1,2-Dichloroethene		5.2		5.0	ug/Kg	8260C
Methylene Chloride		8.6	B	5.0	ug/Kg	8260C
Trichloroethene		23		5.0	ug/Kg	8260C
Vinyl chloride		4.7	J	5.0	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		48	J	86	ug/Kg	8270D
Dibenzofuran		61		61	ug/Kg	8270D
Di-n-butyl phthalate		100	B	86	ug/Kg	8270D
Fluoranthene		6.0	J	8.2	ug/Kg	8270D
Fluorene		50		8.2	ug/Kg	8270D
2-Methylnaphthalene		250		8.2	ug/Kg	8270D
Naphthalene		28		8.2	ug/Kg	8270D
Phenanthrene		22		8.2	ug/Kg	8270D
Pyrene		7.0	J	8.2	ug/Kg	8270D
Arsenic		3.9		1.6	mg/Kg	6010C
Barium		71	B	21	mg/Kg	6010C
Cadmium		0.089	J	0.53	mg/Kg	6010C
Chromium		10		1.1	mg/Kg	6010C
Lead		5.5		1.1	mg/Kg	6010C
Mercury		0.016	J	0.11	mg/Kg	7471B
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30301-3	**CARSSIPZ04S08**					
1,1-Dichloroethane		120	J	260	ug/Kg	8260C
1,2-Dichlorobenzene		14	J	260	ug/Kg	8260C
4-Methyl-2-pentanone (MIBK)		170	J	1000	ug/Kg	8260C
Acetone		220	J	1000	ug/Kg	8260C
cis-1,2-Dichloroethene		490		260	ug/Kg	8260C
Tetrachloroethene		120	J	260	ug/Kg	8260C
Toluene		23	J	260	ug/Kg	8260C
trans-1,2-Dichloroethene		30	J	260	ug/Kg	8260C
Trichloroethene		180	J	260	ug/Kg	8260C
Vinyl chloride		33	J	260	ug/Kg	8260C
Acenaphthylene		6.1	J	8.5	ug/Kg	8270D
Anthracene		35		8.5	ug/Kg	8270D
Benzo[a]anthracene		59		8.5	ug/Kg	8270D
Benzo[a]pyrene		41		8.5	ug/Kg	8270D
Benzo[b]fluoranthene		59		8.5	ug/Kg	8270D
Bis(2-chloroethyl)ether		27	J	130	ug/Kg	8270D
Carbazole		83		64	ug/Kg	8270D
4-Chloro-3-methylphenol		62	J	190	ug/Kg	8270D
Chrysene		54		8.5	ug/Kg	8270D
Dibenzofuran		29	J	64	ug/Kg	8270D
Di-n-butyl phthalate		50	J B	89	ug/Kg	8270D
Fluoranthene		130		8.5	ug/Kg	8270D
Fluorene		27		8.5	ug/Kg	8270D
2-Methylnaphthalene		32		8.5	ug/Kg	8270D
3 & 4 Methylphenol		360	J	510	ug/Kg	8270D
Naphthalene		55		8.5	ug/Kg	8270D
Phenanthrene		140		8.5	ug/Kg	8270D
Phenol		58	J	64	ug/Kg	8270D
Pyrene		120		8.5	ug/Kg	8270D
Aldrin		25	H	11	ug/Kg	8081B
alpha-BHC		14	H	11	ug/Kg	8081B
Arsenic		3.5		1.7	mg/Kg	6010C
Barium		56	B	22	mg/Kg	6010C
Cadmium		0.10	J	0.56	mg/Kg	6010C
Chromium		12		1.1	mg/Kg	6010C
Lead		8.9		1.1	mg/Kg	6010C
Mercury		0.047	J	0.11	mg/Kg	7471B
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30301-4	**CARMW25S09**					
Acetone		47		18	ug/Kg	8260C
Chlorobenzene		1.7	J	4.5	ug/Kg	8260C
cis-1,2-Dichloroethene		4.8		4.5	ug/Kg	8260C
1,2-Dichlorobenzene		1.2	J	4.5	ug/Kg	8260C
1,3-Dichlorobenzene		13		4.5	ug/Kg	8260C
1,4-Dichlorobenzene		20		4.5	ug/Kg	8260C
1,1-Dichloroethane		7.5		4.5	ug/Kg	8260C
Methylene Chloride		3.9	J B	4.5	ug/Kg	8260C
Tetrachloroethene		20		4.5	ug/Kg	8260C
Toluene		0.70	J	4.5	ug/Kg	8260C
trans-1,2-Dichloroethene		0.91	J	4.5	ug/Kg	8260C
1,2,4-Trichlorobenzene		51		4.5	ug/Kg	8260C
Trichloroethene		18		4.5	ug/Kg	8260C
Vinyl chloride		0.70	J	4.5	ug/Kg	8260C
Xylenes, Total		2.5	J	9.1	ug/Kg	8260C
Acenaphthene		51		8.3	ug/Kg	8270D
Acenaphthylene		12		8.3	ug/Kg	8270D
Anthracene		83		8.3	ug/Kg	8270D
Benzo[a]anthracene		130		8.3	ug/Kg	8270D
Benzo[b]fluoranthene		250		8.3	ug/Kg	8270D
Chrysene		160		8.3	ug/Kg	8270D
Dibenzofuran		45	J	62	ug/Kg	8270D
Di-n-butyl phthalate		110	B	87	ug/Kg	8270D
Fluoranthene		310		8.3	ug/Kg	8270D
Fluorene		75		8.3	ug/Kg	8270D
2-Methylnaphthalene		30		8.3	ug/Kg	8270D
Naphthalene		39		8.3	ug/Kg	8270D
Phenanthrene		340		8.3	ug/Kg	8270D
Pyrene		480		8.3	ug/Kg	8270D
alpha-BHC		6.3	J H	11	ug/Kg	8081B
beta-BHC		14	H	11	ug/Kg	8081B
Dieldrin		22	H	11	ug/Kg	8081B
Endosulfan sulfate		30	H	11	ug/Kg	8081B
Endrin aldehyde		21	H	11	ug/Kg	8081B
Methoxychlor		55	H	20	ug/Kg	8081B
Aroclor-1260		4300		810	ug/Kg	8082A
Arsenic		4.3		1.7	mg/Kg	6010C
Barium		88	B	23	mg/Kg	6010C
Cadmium		0.10	J	0.56	mg/Kg	6010C
Chromium		14		1.1	mg/Kg	6010C
Lead		7.1		1.1	mg/Kg	6010C
Mercury		0.025	J	0.13	mg/Kg	7471B
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-30301-1

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: 240-30301-1

Method	Analyst	Analyst ID
SW846 8260C	Lata, Todd	TJL2
SW846 8260C	Lavey, Tim	TJL1
SW846 8270D	Gruber, John	JMG
SW846 8081B	Van Doren, Carolyn	CVD
SW846 8082A	Bosworth, Heather M	HMB
SW846 6010C	Counts, Karen	KLC
SW846 7471B	Martin, Aaron	AMM2
EPA Moisture	Burns, Jill	JMB

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-30301-1	CARMW36S07	Solid	10/15/2013 0810	10/16/2013 1750
240-30301-2	CARSSIPZ03S05	Solid	10/15/2013 1037	10/16/2013 1750
240-30301-3	CARSSIPZ04S08	Solid	10/15/2013 1420	10/16/2013 1750
240-30301-4	CARMW25S09	Solid	10/15/2013 1640	10/16/2013 1750

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-106363	Lab File ID:	U1233270.D
Dilution:	1.0			Initial Weight/Volume:	6.525 g
Analysis Date:	10/24/2013 2252			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		18	210
1,1,2,2-Tetrachloroethane		ND		7.6	210
1,1,2-Trichloroethane		ND		10	210
1,1-Dichloroethane		ND		15	210
1,1-Dichloroethene		ND		15	210
1,2,4-Trichlorobenzene		ND		6.2	210
1,2-Dibromo-3-Chloropropane		ND		43	430
1,2-Dichlorobenzene		ND		7.3	210
1,2-Dichloroethane		ND		8.5	210
1,2-Dichloropropane		ND		7.0	210
1,3-Dichlorobenzene		ND		4.1	210
1,4-Dichlorobenzene		ND		6.8	210
2-Butanone (MEK)		99	J	37	850
2-Hexanone		ND		17	850
4-Methyl-2-pentanone (MIBK)		ND		41	850
Acetone		ND		150	850
Benzene		ND		10	210
Bromoform		ND		16	210
Bromomethane		ND		25	210
Carbon disulfide		ND		10	210
Carbon tetrachloride		ND		5.5	210
Chlorobenzene		ND		5.5	210
Chlorodibromomethane		ND		10	210
Chloroethane		ND		52	210
Chloroform		ND		7.5	210
Chloromethane		ND		12	210
cis-1,2-Dichloroethene		270		5.9	210
cis-1,3-Dichloropropene		ND		6.7	210
Dichlorodifluoromethane		ND		14	210
Dichlorobromomethane		ND		8.4	210
Ethylbenzene		ND		4.6	210
Isopropylbenzene		ND		5.5	210
Methyl tert-butyl ether		ND		6.1	210
Methylene Chloride		ND		66	210
Styrene		ND		4.8	210
Tetrachloroethene		ND		10	210
Toluene		ND		15	210
trans-1,2-Dichloroethene		20	J	7.8	210
trans-1,3-Dichloropropene		ND		17	210
Trichloroethene		3400		8.3	210
Trichlorofluoromethane		ND		14	210
Vinyl chloride		ND		15	210
Xylenes, Total		ND		5.3	430
Ethylene Dibromide		ND		8.5	210

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-106363	Lab File ID:	U1233270.D
Dilution:	1.0			Initial Weight/Volume:	6.525 g
Analysis Date:	10/24/2013 2252			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		33 - 134
Dibromofluoromethane (Surr)	106		30 - 122
4-Bromofluorobenzene (Surr)	106		26 - 141
1,2-Dichloroethane-d4 (Surr)	91		39 - 128

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-106363	Lab File ID:	U1233270.D
Dilution:	1.0			Initial Weight/Volume:	6.525 g
Analysis Date:	10/24/2013 2252			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Tentatively Identified Compounds **Number TIC's Found: 4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1120-21-4	Undecane	11.10	370	T J N
	Unknown	11.31	210	T J
2245-38-7	Naphthalene, 1,6,7-trimethyl-	13.42	290	T J N
829-26-5	Naphthalene, 2,3,6-trimethyl-	13.90	230	T J N

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106263	Lab File ID:	UX88259.D
Dilution:	1.0			Initial Weight/Volume:	6.149 g
Analysis Date:	10/25/2013 0457			Final Weight/Volume:	5 mL
Prep Date:	10/16/2013 1805				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		16	J	6.3	20
Benzene		ND		0.23	5.0
Bromoform		ND		0.33	5.0
Bromomethane		ND		0.54	5.0
2-Butanone (MEK)		ND		1.4	20
Carbon disulfide		ND		0.44	5.0
Carbon tetrachloride		ND		0.37	5.0
Chlorobenzene		ND		0.33	5.0
Chlorodibromomethane		ND		0.55	5.0
Chloroethane		ND		0.86	5.0
Chloroform		ND		0.29	5.0
Chloromethane		ND		0.41	5.0
cis-1,2-Dichloroethene		5.2		0.36	5.0
cis-1,3-Dichloropropene		ND		0.34	5.0
1,2-Dibromo-3-Chloropropane		ND		1.3	10
1,2-Dichlorobenzene		ND		0.36	5.0
1,3-Dichlorobenzene		ND		0.35	5.0
1,4-Dichlorobenzene		ND		0.66	5.0
Dichlorobromomethane		ND		0.28	5.0
Dichlorodifluoromethane		ND		0.50	5.0
1,1-Dichloroethane		ND		0.36	5.0
1,2-Dichloroethane		ND		0.34	5.0
1,1-Dichloroethene		ND		0.52	5.0
1,2-Dichloropropane		ND		0.69	5.0
Ethylbenzene		ND		0.26	5.0
Ethylene Dibromide		ND		0.50	5.0
2-Hexanone		ND		0.63	20
Isopropylbenzene		ND		0.16	5.0
Methylene Chloride		8.6	B	0.67	5.0
4-Methyl-2-pentanone (MIBK)		ND		0.54	20
Methyl tert-butyl ether		ND		0.43	5.0
Styrene		ND		0.15	5.0
1,1,2,2-Tetrachloroethane		ND		0.34	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
1,2,4-Trichlorobenzene		ND		0.27	5.0
1,1,1-Trichloroethane		ND		0.56	5.0
1,1,2-Trichloroethane		ND		0.39	5.0
Trichloroethene		23		0.42	5.0
Trichlorofluoromethane		ND		0.34	5.0
Vinyl chloride		4.7	J	0.39	5.0
Xylenes, Total		ND		0.35	10

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106263	Lab File ID:	UX88259.D
Dilution:	1.0			Initial Weight/Volume:	6.149 g
Analysis Date:	10/25/2013 0457			Final Weight/Volume:	5 mL
Prep Date:	10/16/2013 1805				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	131		52 - 136
Dibromofluoromethane (Surr)	90		37 - 132
1,2-Dichloroethane-d4 (Surr)	97		58 - 123
Toluene-d8 (Surr)	104		67 - 125

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106263	Lab File ID:	UX88259.D
Dilution:	1.0			Initial Weight/Volume:	6.149 g
Analysis Date:	10/25/2013 0457			Final Weight/Volume:	5 mL
Prep Date:	10/16/2013 1805				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1632-70-8	Undecane, 5-methyl-	10.53	1000	T J N
4292-92-6	Cyclohexane, pentyl-	10.95	850	T J N
2958-76-1	Naphthalene, decahydro-2-methyl-	11.09	1000	T J N
112-40-3	Dodecane	11.42	750	T J N
54411-02-8	Cyclohexane, 1-methyl-3-pentyl-	11.48	830	T J N
17301-23-4	Undecane, 2,6-dimethyl-	11.57	940	T J N
17428-83-0	1H-Inden-1-one, octahydro-7a-methyl-, tr	11.64	1100	T J N
55012-77-6	1,1'-Bicyclohexyl, 2-(2-methylpropyl)-,	11.73	660	T J N
26730-14-3	Tridecane, 7-methyl-	12.16	930	T J N
1000214-99-3	1,3,6-Trimethyladamantane	12.51	650	T J N

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-106363	Lab File ID:	U1233271.D
Dilution:	1.0			Initial Weight/Volume:	6.14 g
Analysis Date:	10/24/2013 2317			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		22	260
1,1,2,2-Tetrachloroethane		ND		9.3	260
1,1,2-Trichloroethane		ND		13	260
1,1-Dichloroethane		120	J	18	260
1,1-Dichloroethene		ND		19	260
1,2,4-Trichlorobenzene		ND		7.6	260
1,2-Dibromo-3-Chloropropane		ND		52	520
1,2-Dichlorobenzene		14	J	9.0	260
1,2-Dichloroethane		ND		10	260
1,2-Dichloropropane		ND		8.5	260
1,3-Dichlorobenzene		ND		5.0	260
1,4-Dichlorobenzene		ND		8.3	260
2-Butanone (MEK)		ND		45	1000
2-Hexanone		ND		21	1000
4-Methyl-2-pentanone (MIBK)		170	J	50	1000
Acetone		220	J	180	1000
Benzene		ND		13	260
Bromoform		ND		20	260
Bromomethane		ND		30	260
Carbon disulfide		ND		13	260
Carbon tetrachloride		ND		6.7	260
Chlorobenzene		ND		6.7	260
Chlorodibromomethane		ND		13	260
Chloroethane		ND		64	260
Chloroform		ND		9.2	260
Chloromethane		ND		15	260
cis-1,2-Dichloroethene		490		7.2	260
cis-1,3-Dichloropropene		ND		8.2	260
Dichlorodifluoromethane		ND		17	260
Dichlorobromomethane		ND		10	260
Ethylbenzene		ND		5.6	260
Isopropylbenzene		ND		6.8	260
Methyl tert-butyl ether		ND		7.4	260
Methylene Chloride		ND		80	260
Styrene		ND		5.8	260
Tetrachloroethene		120	J	13	260
Toluene		23	J	18	260
trans-1,2-Dichloroethene		30	J	9.6	260
trans-1,3-Dichloropropene		ND		21	260
Trichloroethene		180	J	10	260
Trichlorofluoromethane		ND		17	260
Vinyl chloride		33	J	19	260
Xylenes, Total		ND		6.5	520
Ethylene Dibromide		ND		10	260

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-106363	Lab File ID:	U1233271.D
Dilution:	1.0			Initial Weight/Volume:	6.14 g
Analysis Date:	10/24/2013 2317			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	91		33 - 134
Dibromofluoromethane (Surr)	93		30 - 122
4-Bromofluorobenzene (Surr)	90		26 - 141
1,2-Dichloroethane-d4 (Surr)	84		39 - 128

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Prep Method:	5035	Prep Batch:	240-106363	Lab File ID:	U1233271.D
Dilution:	1.0			Initial Weight/Volume:	6.14 g
Analysis Date:	10/24/2013 2317			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1120-21-4	Undecane	11.10	360	T J N
2131-42-2	Naphthalene, 1,4,6-trimethyl-	13.42	270	T J N
829-26-5	Naphthalene, 2,3,6-trimethyl-	13.91	270	T J N

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106263	Lab File ID:	UX88260.D
Dilution:	1.0			Initial Weight/Volume:	6.829 g
Analysis Date:	10/25/2013 0518			Final Weight/Volume:	5 mL
Prep Date:	10/16/2013 1805				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		47		5.7	18
Benzene		ND		0.21	4.5
Bromoform		ND		0.30	4.5
Bromomethane		ND		0.49	4.5
2-Butanone (MEK)		ND		1.3	18
Carbon disulfide		ND		0.40	4.5
Carbon tetrachloride		ND		0.34	4.5
Chlorobenzene		1.7	J	0.30	4.5
Chlorodibromomethane		ND		0.50	4.5
Chloroethane		ND		0.78	4.5
Chloroform		ND		0.26	4.5
Chloromethane		ND		0.37	4.5
cis-1,2-Dichloroethene		4.8		0.33	4.5
cis-1,3-Dichloropropene		ND		0.31	4.5
1,2-Dibromo-3-Chloropropane		ND		1.2	9.1
1,2-Dichlorobenzene		1.2	J	0.33	4.5
1,3-Dichlorobenzene		13		0.32	4.5
1,4-Dichlorobenzene		20		0.60	4.5
Dichlorobromomethane		ND		0.25	4.5
Dichlorodifluoromethane		ND		0.45	4.5
1,1-Dichloroethane		7.5		0.33	4.5
1,2-Dichloroethane		ND		0.31	4.5
1,1-Dichloroethene		ND		0.47	4.5
1,2-Dichloropropane		ND		0.63	4.5
Ethylbenzene		ND		0.24	4.5
Ethylene Dibromide		ND		0.45	4.5
2-Hexanone		ND		0.57	18
Isopropylbenzene		ND		0.15	4.5
Methylene Chloride		3.9	J B	0.61	4.5
4-Methyl-2-pentanone (MIBK)		ND		0.49	18
Methyl tert-butyl ether		ND		0.39	4.5
Styrene		ND		0.14	4.5
1,1,2,2-Tetrachloroethane		ND		0.31	4.5
Tetrachloroethene		20		0.47	4.5
Toluene		0.70	J	0.25	4.5
trans-1,2-Dichloroethene		0.91	J	0.37	4.5
trans-1,3-Dichloropropene		ND		0.49	4.5
1,2,4-Trichlorobenzene		51		0.25	4.5
1,1,1-Trichloroethane		ND		0.51	4.5
1,1,2-Trichloroethane		ND		0.35	4.5
Trichloroethene		18		0.38	4.5
Trichlorofluoromethane		ND		0.31	4.5
Vinyl chloride		0.70	J	0.35	4.5
Xylenes, Total		2.5	J	0.32	9.1

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106263	Lab File ID:	UX88260.D
Dilution:	1.0			Initial Weight/Volume:	6.829 g
Analysis Date:	10/25/2013 0518			Final Weight/Volume:	5 mL
Prep Date:	10/16/2013 1805				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	94		52 - 136
Dibromofluoromethane (Surr)	91		37 - 132
1,2-Dichloroethane-d4 (Surr)	96		58 - 123
Toluene-d8 (Surr)	88		67 - 125

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Prep Method:	5035	Prep Batch:	240-106263	Lab File ID:	UX88260.D
Dilution:	1.0			Initial Weight/Volume:	6.829 g
Analysis Date:	10/25/2013 0518			Final Weight/Volume:	5 mL
Prep Date:	10/16/2013 1805				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
590-50-1	2-Pentanone, 4,4-dimethyl-	6.86	36	T J N
111-84-2	Nonane	7.91	8.3	T J N
3682-42-6	Pentanoic acid, 3-methyl-2-oxo-, methyl	8.14	36	T J N
124-18-5	Decane	9.16	19	T J N
13151-34-3	Decane, 3-methyl-	10.02	7.5	T J N
91-17-8	Naphthalene, decahydro-	10.24	9.3	T J N
1120-21-4	Undecane	10.33	22	T J N
514-94-3	1,3-Cyclohexadiene, 1,5,5,6-tetramethyl-	10.53	11	T J N
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	13.37	5.6	T J N
629-59-4	Tetradecane	13.64	20	T J N

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023017.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Analysis Date:	10/23/2013 1724			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.84	7.4
Acenaphthylene		ND		0.39	7.4
Acetophenone		ND		10	110
Anthracene		ND		0.86	7.4
Benzo[a]anthracene		ND		0.70	7.4
Benzo[a]pyrene		ND		0.71	7.4
Benzo[b]fluoranthene		ND		0.65	7.4
Benzo[g,h,i]perylene		ND		0.39	7.4
Benzo[k]fluoranthene		ND		0.75	7.4
Bis(2-chloroethoxy)methane		ND		24	110
Bis(2-chloroethyl)ether		ND		2.2	110
bis (2-chloroisopropyl) ether		ND		11	110
Bis(2-ethylhexyl) phthalate		28	J	21	78
4-Bromophenyl phenyl ether		ND		14	55
Butyl benzyl phthalate		ND		11	78
Carbazole		ND		30	55
4-Chloroaniline		ND		19	170
4-Chloro-3-methylphenol		ND		23	170
2-Chlorophenol		ND		9.1	55
4-Chlorophenyl phenyl ether		ND		14	55
Chrysene		ND		1.2	7.4
Dibenz(a,h)anthracene		ND		0.73	7.4
Dibenzofuran		ND		0.73	55
3,3'-Dichlorobenzidine		ND		20	110
2,4-Dichlorophenol		ND		22	170
Diethyl phthalate		ND		18	78
2,4-Dimethylphenol		ND		22	170
Dimethyl phthalate		ND		19	78
Di-n-butyl phthalate		82	B	17	78
4,6-Dinitro-2-methylphenol		ND		10	170
2,4-Dinitrophenol		ND		23	370
2,4-Dinitrotoluene		ND		19	220
2,6-Dinitrotoluene		ND		23	220
Di-n-octyl phthalate		ND		8.8	78
Fluoranthene		ND		0.61	7.4
Fluorene		ND		0.59	7.4
Hexachlorobenzene		ND		2.3	7.4
Hexachlorobutadiene		ND		6.2	55
Hexachlorocyclopentadiene		ND		9.0	370
Hexachloroethane		ND		10	55
Indeno[1,2,3-cd]pyrene		ND		0.39	7.4
Isophorone		ND		14	55
2-Methylnaphthalene		ND		0.55	7.4
2-Methylphenol		ND		12	220
3 & 4 Methylphenol		ND		22	440
Naphthalene		ND		0.91	7.4

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023017.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Analysis Date:	10/23/2013 1724			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		10	220
3-Nitroaniline		ND		18	220
4-Nitroaniline		ND		29	220
Nitrobenzene		ND		2.4	110
2-Nitrophenol		ND		9.2	55
4-Nitrophenol		ND		19	370
N-Nitrosodi-n-propylamine		ND		7.0	55
N-Nitrosodiphenylamine		ND		23	55
Pentachlorophenol		ND		10	170
Phenanthrene		ND		0.81	7.4
Phenol		ND		8.1	55
Pyrene		ND		0.49	7.4
2,4,5-Trichlorophenol		ND		28	170
2,4,6-Trichlorophenol		ND		9.9	170

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	62		24 - 110
2-Fluorophenol (Surr)	63		24 - 110
Nitrobenzene-d5 (Surr)	56		20 - 110
Phenol-d5 (Surr)	65		26 - 110
Terphenyl-d14 (Surr)	92		36 - 110
2,4,6-Tribromophenol (Surr)	54		10 - 110

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023018.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	10/23/2013 1748			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.93	8.2
Acenaphthylene		ND		0.43	8.2
Acetophenone		ND		11	120
Anthracene		ND		0.96	8.2
Benzo[a]anthracene		ND		0.77	8.2
Benzo[a]pyrene		ND		0.78	8.2
Benzo[b]fluoranthene		ND		0.72	8.2
Benzo[g,h,i]perylene		ND		0.43	8.2
Benzo[k]fluoranthene		ND		0.83	8.2
Bis(2-chloroethoxy)methane		ND		27	120
Bis(2-chloroethyl)ether		ND		2.5	120
bis (2-chloroisopropyl) ether		ND		12	120
Bis(2-ethylhexyl) phthalate		48	J	23	86
4-Bromophenyl phenyl ether		ND		16	61
Butyl benzyl phthalate		ND		12	86
Carbazole		ND		33	61
4-Chloroaniline		ND		21	180
4-Chloro-3-methylphenol		ND		26	180
2-Chlorophenol		ND		10	61
4-Chlorophenyl phenyl ether		ND		16	61
Chrysene		ND		1.3	8.2
Dibenz(a,h)anthracene		ND		0.81	8.2
Dibenzofuran		61		0.81	61
3,3'-Dichlorobenzidine		ND		22	120
2,4-Dichlorophenol		ND		25	180
Diethyl phthalate		ND		20	86
2,4-Dimethylphenol		ND		25	180
Dimethyl phthalate		ND		21	86
Di-n-butyl phthalate		100	B	18	86
4,6-Dinitro-2-methylphenol		ND		11	180
2,4-Dinitrophenol		ND		26	400
2,4-Dinitrotoluene		ND		21	250
2,6-Dinitrotoluene		ND		26	250
Di-n-octyl phthalate		ND		9.7	86
Fluoranthene		6.0	J	0.67	8.2
Fluorene		50		0.65	8.2
Hexachlorobenzene		ND		2.6	8.2
Hexachlorobutadiene		ND		6.9	61
Hexachlorocyclopentadiene		ND		9.9	400
Hexachloroethane		ND		11	61
Indeno[1,2,3-cd]pyrene		ND		0.43	8.2
Isophorone		ND		16	61
2-Methylnaphthalene		250		0.61	8.2
2-Methylphenol		ND		13	250
3 & 4 Methylphenol		ND		25	490
Naphthalene		28		1.0	8.2

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023018.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Analysis Date:	10/23/2013 1748			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		11	250
3-Nitroaniline		ND		20	250
4-Nitroaniline		ND		32	250
Nitrobenzene		ND		2.7	120
2-Nitrophenol		ND		10	61
4-Nitrophenol		ND		21	400
N-Nitrosodi-n-propylamine		ND		7.7	61
N-Nitrosodiphenylamine		ND		26	61
Pentachlorophenol		ND		11	180
Phenanthrene		22		0.89	8.2
Phenol		ND		8.9	61
Pyrene		7.0	J	0.54	8.2
2,4,5-Trichlorophenol		ND		31	180
2,4,6-Trichlorophenol		ND		11	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	67		24 - 110
2-Fluorophenol (Surr)	66		24 - 110
Nitrobenzene-d5 (Surr)	71		20 - 110
Phenol-d5 (Surr)	67		26 - 110
Terphenyl-d14 (Surr)	87		36 - 110
2,4,6-Tribromophenol (Surr)	61		10 - 110

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023019.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Analysis Date:	10/23/2013 1811			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.97	8.5
Acenaphthylene		6.1	J	0.44	8.5
Acetophenone		ND		12	130
Anthracene		35		0.99	8.5
Benzo[a]anthracene		59		0.80	8.5
Benzo[a]pyrene		41		0.81	8.5
Benzo[b]fluoranthene		59		0.75	8.5
Benzo[g,h,i]perylene		ND		0.44	8.5
Benzo[k]fluoranthene		ND		0.86	8.5
Bis(2-chloroethoxy)methane		ND		28	130
Bis(2-chloroethyl)ether		27	J	2.5	130
bis (2-chloroisopropyl) ether		ND		12	130
Bis(2-ethylhexyl) phthalate		ND		24	89
4-Bromophenyl phenyl ether		ND		17	64
Butyl benzyl phthalate		ND		13	89
Carbazole		83		34	64
4-Chloroaniline		ND		22	190
4-Chloro-3-methylphenol		62	J	27	190
2-Chlorophenol		ND		10	64
4-Chlorophenyl phenyl ether		ND		17	64
Chrysene		54		1.4	8.5
Dibenz(a,h)anthracene		ND		0.84	8.5
Dibenzofuran		29	J	0.84	64
3,3'-Dichlorobenzidine		ND		23	130
2,4-Dichlorophenol		ND		25	190
Diethyl phthalate		ND		20	89
2,4-Dimethylphenol		ND		25	190
Dimethyl phthalate		ND		22	89
Di-n-butyl phthalate		50	J B	19	89
4,6-Dinitro-2-methylphenol		ND		12	190
2,4-Dinitrophenol		ND		27	420
2,4-Dinitrotoluene		ND		22	250
2,6-Dinitrotoluene		ND		27	250
Di-n-octyl phthalate		ND		10	89
Fluoranthene		130		0.70	8.5
Fluorene		27		0.67	8.5
Hexachlorobenzene		ND		2.7	8.5
Hexachlorobutadiene		ND		7.1	64
Hexachlorocyclopentadiene		ND		10	420
Hexachloroethane		ND		11	64
Indeno[1,2,3-cd]pyrene		ND		0.44	8.5
Isophorone		ND		17	64
2-Methylnaphthalene		32		0.64	8.5
2-Methylphenol		ND		14	250
3 & 4 Methylphenol		360	J	25	510
Naphthalene		55		1.0	8.5

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023019.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Analysis Date:	10/23/2013 1811			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		12	250
3-Nitroaniline		ND		20	250
4-Nitroaniline		ND		33	250
Nitrobenzene		ND		2.8	130
2-Nitrophenol		ND		11	64
4-Nitrophenol		ND		22	420
N-Nitrosodi-n-propylamine		ND		8.0	64
N-Nitrosodiphenylamine		ND		27	64
Pentachlorophenol		ND		12	190
Phenanthrene		140		0.93	8.5
Phenol		58	J	9.3	64
Pyrene		120		0.56	8.5
2,4,5-Trichlorophenol		ND		32	190
2,4,6-Trichlorophenol		ND		11	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	75		24 - 110
2-Fluorophenol (Surr)	70		24 - 110
Nitrobenzene-d5 (Surr)	66		20 - 110
Phenol-d5 (Surr)	73		26 - 110
Terphenyl-d14 (Surr)	93		36 - 110
2,4,6-Tribromophenol (Surr)	77		10 - 110

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023020.D
Dilution:	1.0			Initial Weight/Volume:	29.97 g
Analysis Date:	10/23/2013 1835			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		51		0.94	8.3
Acenaphthylene		12		0.44	8.3
Acetophenone		ND		11	120
Anthracene		83		0.97	8.3
Benzo[a]anthracene		130		0.78	8.3
Benzo[a]pyrene		ND		0.80	8.3
Benzo[b]fluoranthene		250		0.73	8.3
Benzo[g,h,i]perylene		ND		0.44	8.3
Benzo[k]fluoranthene		ND		0.85	8.3
Bis(2-chloroethoxy)methane		ND		27	120
Bis(2-chloroethyl)ether		ND		2.5	120
bis (2-chloroisopropyl) ether		ND		12	120
Bis(2-ethylhexyl) phthalate		ND		24	87
4-Bromophenyl phenyl ether		ND		16	62
Butyl benzyl phthalate		ND		12	87
Carbazole		ND		34	62
4-Chloroaniline		ND		21	190
4-Chloro-3-methylphenol		ND		26	190
2-Chlorophenol		ND		10	62
4-Chlorophenyl phenyl ether		ND		16	62
Chrysene		160		1.4	8.3
Dibenz(a,h)anthracene		ND		0.82	8.3
Dibenzofuran		45	J	0.82	62
3,3'-Dichlorobenzidine		ND		22	120
2,4-Dichlorophenol		ND		25	190
Diethyl phthalate		ND		20	87
2,4-Dimethylphenol		ND		25	190
Dimethyl phthalate		ND		21	87
Di-n-butyl phthalate		110	B	19	87
4,6-Dinitro-2-methylphenol		ND		11	190
2,4-Dinitrophenol		ND		26	410
2,4-Dinitrotoluene		ND		21	250
2,6-Dinitrotoluene		ND		26	250
Di-n-octyl phthalate		ND		9.8	87
Fluoranthene		310		0.68	8.3
Fluorene		75		0.66	8.3
Hexachlorobenzene		ND		2.6	8.3
Hexachlorobutadiene		ND		7.0	62
Hexachlorocyclopentadiene		ND		10	410
Hexachloroethane		ND		11	62
Indeno[1,2,3-cd]pyrene		ND		0.44	8.3
Isophorone		ND		16	62
2-Methylnaphthalene		30		0.62	8.3
2-Methylphenol		ND		14	250
3 & 4 Methylphenol		ND		25	500
Naphthalene		39		1.0	8.3

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-106130	Lab File ID:	31023020.D
Dilution:	1.0			Initial Weight/Volume:	29.97 g
Analysis Date:	10/23/2013 1835			Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		11	250
3-Nitroaniline		ND		20	250
4-Nitroaniline		ND		32	250
Nitrobenzene		ND		2.7	120
2-Nitrophenol		ND		10	62
4-Nitrophenol		ND		21	410
N-Nitrosodi-n-propylamine		ND		7.8	62
N-Nitrosodiphenylamine		ND		26	62
Pentachlorophenol		ND		11	190
Phenanthrene		340		0.91	8.3
Phenol		ND		9.1	62
Pyrene		480		0.55	8.3
2,4,5-Trichlorophenol		ND		31	190
2,4,6-Trichlorophenol		ND		11	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	78		24 - 110
2-Fluorophenol (Surr)	72		24 - 110
Nitrobenzene-d5 (Surr)	72		20 - 110
Phenol-d5 (Surr)	77		26 - 110
Terphenyl-d14 (Surr)	105		36 - 110
2,4,6-Tribromophenol (Surr)	76		10 - 110

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106122	Initial Weight/Volume:	29.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/04/2013 0405			Injection Volume:	1 uL
Prep Date:	10/18/2013 0837			Result Type:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND	*	1.4	1.9
alpha-BHC		ND	*	0.82	1.9
alpha-Chlordane		ND	*	1.1	1.9
beta-BHC		ND	*	1.2	1.9
4,4'-DDD		ND	*	0.70	1.9
4,4'-DDE		ND	*	0.44	1.9
4,4'-DDT		ND	*	0.71	1.9
delta-BHC		ND	*	1.4	1.9
Dieldrin		ND	*	0.53	1.9
Endosulfan I		ND	*	0.59	1.9
Endosulfan II		ND	*	0.93	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
Methoxychlor		ND	*	1.7	3.7
Toxaphene		ND		21	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		41 - 157
DCB Decachlorobiphenyl	100		41 - 157
Tetrachloro-m-xylene	118		40 - 149
Tetrachloro-m-xylene	179	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.90 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/05/2013 1713	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND	H	1.3	1.9
alpha-BHC		ND	H	0.82	1.9
alpha-Chlordane		ND	H	1.0	1.9
beta-BHC		ND	H	1.2	1.9
4,4'-DDD		ND	H	0.69	1.9
4,4'-DDE		ND	H	0.44	1.9
4,4'-DDT		ND	H	0.70	1.9
delta-BHC		ND	H	1.3	1.9
Dieldrin		ND	H	0.52	1.9
Endosulfan I		ND	H	0.58	1.9
Endosulfan II		ND	H	0.92	1.9
Endosulfan sulfate		ND	H	0.97	1.9
Endrin		ND	H	0.56	1.9
Endrin aldehyde		ND	H	1.1	1.9
Endrin ketone		ND	H	0.70	1.9
gamma-BHC (Lindane)		ND	H	0.83	1.9
gamma-Chlordane		ND	H	0.47	1.9
Heptachlor		ND	H	1.2	1.9
Heptachlor epoxide		ND	H	0.89	1.9
Methoxychlor		ND	H	1.7	3.7
Toxaphene		ND	H	21	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		41 - 157
Tetrachloro-m-xylene	98		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.90 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/05/2013 1713	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		41 - 157
Tetrachloro-m-xylene	98		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110159	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106122	Initial Weight/Volume:	30.41 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	11/16/2013 1632			Injection Volume:	1 uL
Prep Date:	10/18/2013 0837			Result Type:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND	*	2.9	4.1
alpha-BHC		ND	*	1.8	4.1
alpha-Chlordane		ND	*	2.3	4.1
beta-BHC		ND	*	2.7	4.1
4,4'-DDD		ND	*	1.5	4.1
4,4'-DDE		ND	*	0.94	4.1
4,4'-DDT		ND	*	1.5	4.1
delta-BHC		ND	*	2.9	4.1
Dieldrin		ND	*	1.1	4.1
Endosulfan I		ND	*	1.3	4.1
Endosulfan II		ND	*	2.0	4.1
Endosulfan sulfate		ND	*	2.1	4.1
Endrin		ND	*	1.2	4.1
Endrin aldehyde		ND	*	2.4	4.1
Endrin ketone		ND	*	1.5	4.1
gamma-BHC (Lindane)		ND	*	1.8	4.1
gamma-Chlordane		ND	*	1.0	4.1
Heptachlor		ND	*	2.7	4.1
Heptachlor epoxide		ND	*	1.9	4.1
Methoxychlor		ND	*	3.6	8.0
Toxaphene		ND		46	160

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		41 - 157
DCB Decachlorobiphenyl	85		41 - 157
Tetrachloro-m-xylene	88		40 - 149
Tetrachloro-m-xylene	89		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.90 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2028	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND	H	7.4	10
alpha-BHC		ND	H	4.5	10
alpha-Chlordane		ND	H	5.8	10
beta-BHC		ND	H	6.8	10
4,4'-DDD		ND	H	3.8	10
4,4'-DDE		ND	H	2.4	10
4,4'-DDT		ND	H	3.9	10
delta-BHC		ND	H	7.4	10
Dieldrin		ND	H	2.9	10
Endosulfan I		ND	H	3.2	10
Endosulfan II		ND	H	5.0	10
Endosulfan sulfate		ND	H	5.4	10
Endrin		ND	H	3.1	10
Endrin aldehyde		ND	H	6.2	10
Endrin ketone		ND	H	3.9	10
gamma-BHC (Lindane)		ND	H	4.6	10
gamma-Chlordane		ND	H	2.6	10
Heptachlor		ND	H	6.8	10
Heptachlor epoxide		ND	H	4.9	10
Methoxychlor		ND	H	9.2	20
Toxaphene		ND	H	120	410

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		41 - 157
Tetrachloro-m-xylene	115		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.90 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2028	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		41 - 157
Tetrachloro-m-xylene	96		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109089	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106122	Initial Weight/Volume:	29.58 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/09/2013 2015			Injection Volume:	1 uL
Prep Date:	10/18/2013 0837			Result Type:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		13	*	7.8	11
alpha-BHC		23	*	4.7	11
alpha-Chlordane		ND	*	6.1	11
beta-BHC		ND	*	7.1	11
4,4'-DDD		ND	*	4.0	11
4,4'-DDE		ND	*	2.5	11
4,4'-DDT		ND	*	4.1	11
delta-BHC		ND	*	7.8	11
Dieldrin		ND	*	3.0	11
Endosulfan I		ND	*	3.4	11
Endosulfan II		ND	*	5.3	11
Endosulfan sulfate		ND	*	5.6	11
Endrin		4.0	J *	3.2	11
Endrin aldehyde		ND	*	6.5	11
Endrin ketone		ND	*	4.1	11
gamma-BHC (Lindane)		ND	*	4.8	11
gamma-Chlordane		ND	*	2.7	11
Heptachlor		ND	*	7.1	11
Heptachlor epoxide		ND	*	5.2	11
Methoxychlor		ND	*	9.7	21
Toxaphene		ND		120	430

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		41 - 157
DCB Decachlorobiphenyl	75		41 - 157
Tetrachloro-m-xylene	111		40 - 149
Tetrachloro-m-xylene	108		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.94 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2048	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		25	H	7.7	11
alpha-BHC		14	H	4.7	11
alpha-Chlordane		ND	H	6.0	11
beta-BHC		ND	H	7.1	11
4,4'-DDD		ND	H	4.0	11
4,4'-DDE		ND	H	2.5	11
4,4'-DDT		ND	H	4.0	11
delta-BHC		ND	H	7.7	11
Dieldrin		ND	H	3.0	11
Endosulfan I		ND	H	3.3	11
Endosulfan II		ND	H	5.3	11
Endosulfan sulfate		ND	H	5.6	11
Endrin		ND	H	3.2	11
Endrin aldehyde		ND	H	6.4	11
Endrin ketone		ND	H	4.0	11
gamma-BHC (Lindane)		ND	H	4.7	11
gamma-Chlordane		ND	H	2.7	11
Heptachlor		ND	H	7.1	11
Heptachlor epoxide		ND	H	5.1	11
Methoxychlor		ND	H	9.6	21
Toxaphene		ND	H	120	430

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		41 - 157
Tetrachloro-m-xylene	198	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.94 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2048	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	74		41 - 157
Tetrachloro-m-xylene	82		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	30.01 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2108	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND	H	7.4	11
alpha-BHC		6.3	J H	4.5	11
alpha-Chlordane		ND	H	5.8	11
beta-BHC		14	H	6.8	11
4,4'-DDD		ND	H	3.8	11
4,4'-DDE		ND	H	2.4	11
4,4'-DDT		ND	H	3.9	11
delta-BHC		ND	H	7.4	11
Dieldrin		22	H	2.9	11
Endosulfan I		ND	H	3.2	11
Endosulfan II		ND	H	5.1	11
Endosulfan sulfate		30	H	5.4	11
Endrin		ND	H	3.1	11
Endrin aldehyde		21	H	6.2	11
Endrin ketone		ND	H	3.9	11
gamma-BHC (Lindane)		ND	H	4.6	11
gamma-Chlordane		ND	H	2.6	11
Heptachlor		ND	H	6.8	11
Heptachlor epoxide		ND	H	5.0	11
Methoxychlor		55	H	9.3	20
Toxaphene		ND	H	120	420

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		41 - 157
Tetrachloro-m-xylene	97		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	30.01 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2108	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		41 - 157
Tetrachloro-m-xylene	125		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110159	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106122	Initial Weight/Volume:	30.36 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	11/16/2013 1653			Injection Volume:	1 uL
Prep Date:	10/18/2013 0837			Result Type:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND	*	15	21
alpha-BHC		ND	*	9.0	21
alpha-Chlordane		ND	*	12	21
beta-BHC		ND	*	14	21
4,4'-DDD		ND	*	7.6	21
4,4'-DDE		ND	*	4.8	21
4,4'-DDT		ND	*	7.7	21
delta-BHC		ND	*	15	21
Dieldrin		17	J *	5.8	21
Endosulfan I		ND	*	6.4	21
Endosulfan II		ND	*	10	21
Endosulfan sulfate		27	*	11	21
Endrin		ND	*	6.1	21
Endrin aldehyde		20	J *	12	21
Endrin ketone		ND	*	7.7	21
gamma-BHC (Lindane)		ND	*	9.1	21
gamma-Chlordane		ND	*	5.2	21
Heptachlor		ND	*	14	21
Heptachlor epoxide		ND	*	9.8	21
Methoxychlor		65	*	18	41
Toxaphene		ND		230	820

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		41 - 157
DCB Decachlorobiphenyl	99		41 - 157
Tetrachloro-m-xylene	113		40 - 149
Tetrachloro-m-xylene	77		40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	29.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0558			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		24	37
Aroclor-1221		ND		18	37
Aroclor-1232		ND		16	37
Aroclor-1242		ND		15	37
Aroclor-1248		ND		19	37
Aroclor-1254		ND		19	37
Aroclor-1260		ND		19	37
Aroclor-1262		ND		30	37
Aroclor-1268		ND		16	37

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79		14 - 163
Tetrachloro-m-xylene	103		29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	29.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0558			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		14 - 163
Tetrachloro-m-xylene	86		29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	30.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0613			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		25	40
Aroclor-1221		ND		19	40
Aroclor-1232		ND		17	40
Aroclor-1242		ND		16	40
Aroclor-1248		ND		21	40
Aroclor-1254		ND		21	40
Aroclor-1260		ND		21	40
Aroclor-1262		ND		33	40
Aroclor-1268		ND		17	40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		14 - 163
Tetrachloro-m-xylene	56		29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	30.41 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0613			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		14 - 163
Tetrachloro-m-xylene	58		29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	29.58 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0628			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		270	430
Aroclor-1221		ND		210	430
Aroclor-1232		ND		180	430
Aroclor-1242		ND		170	430
Aroclor-1248		ND		220	430
Aroclor-1254		ND		220	430
Aroclor-1260		ND		220	430
Aroclor-1262		ND		350	430
Aroclor-1268		ND		180	430

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	14 - 163
Tetrachloro-m-xylene	0	X	29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	29.58 g
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0628			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	14 - 163
Tetrachloro-m-xylene	0	X	29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	30.36 g
Dilution:	20			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0714			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor-1016		ND		520	810
Aroclor-1221		ND		390	810
Aroclor-1232		ND		340	810
Aroclor-1242		ND		320	810
Aroclor-1248		ND		420	810
Aroclor-1254		ND		420	810
Aroclor-1260		4300		420	810
Aroclor-1262		ND		660	810
Aroclor-1268		ND		340	810

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	14 - 163
Tetrachloro-m-xylene	0	X	29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106117	Initial Weight/Volume:	30.36 g
Dilution:	20			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0714			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	14 - 163
Tetrachloro-m-xylene	0	X	29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810
Client Matrix: Solid % Moisture: 10.2 Date Received: 10/16/2013 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-107816	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-106168	Lab File ID:	I9103013A.asc
Dilution:	1.0			Initial Weight/Volume:	1.30 g
Analysis Date:	10/30/2013 1336			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.8		0.26	1.3
Barium		53	B	0.061	17
Cadmium		0.032	J	0.031	0.43
Chromium		9.4		0.17	0.86
Lead		3.6		0.16	0.86
Selenium		ND		0.39	1.7
Silver		ND		0.086	0.86

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106191	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Analysis Date:	10/24/2013 1756			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.015	0.10

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037
Client Matrix: Solid % Moisture: 18.5 Date Received: 10/16/2013 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-107816	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-106168	Lab File ID:	I9103013A.asc
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Analysis Date:	10/30/2013 1341			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.9		0.32	1.6
Barium		71	B	0.076	21
Cadmium		0.089	J	0.038	0.53
Chromium		10		0.21	1.1
Lead		5.5		0.20	1.1
Selenium		ND		0.48	2.1
Silver		ND		0.11	1.1

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106191	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	10/24/2013 1758			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420
Client Matrix: Solid % Moisture: 21.9 Date Received: 10/16/2013 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-107816	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-106168	Lab File ID:	I9103013A.asc
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Analysis Date:	10/30/2013 1345			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.5		0.34	1.7
Barium		56	B	0.080	22
Cadmium		0.10	J	0.040	0.56
Chromium		12		0.22	1.1
Lead		8.9		0.21	1.1
Selenium		ND		0.51	2.2
Silver		ND		0.11	1.1

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106191	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.68 g
Analysis Date:	10/24/2013 1800			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.047	J	0.017	0.11

Client: EnSafe, Inc. Job Number: 240-30301-1

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640
Client Matrix: Solid % Moisture: 19.5 Date Received: 10/16/2013 1750

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-107816	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-106168	Lab File ID:	I9103013A.asc
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Analysis Date:	10/30/2013 1349			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.3		0.34	1.7
Barium		88	B	0.080	23
Cadmium		0.10	J	0.041	0.56
Chromium		14		0.23	1.1
Lead		7.1		0.21	1.1
Selenium		ND		0.51	2.3
Silver		ND		0.11	1.1

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

Analysis Method:	7471B	Analysis Batch:	240-107033	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106191	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.58 g
Analysis Date:	10/24/2013 1802			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	J	0.019	0.13

General Chemistry

Client Sample ID: **CARMW36S07**

Lab Sample ID: 240-30301-1 Date Sampled: 10/15/2013 0810

Client Matrix: Solid Date Received: 10/16/2013 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARSSIPZ03S05**

Lab Sample ID: 240-30301-2 Date Sampled: 10/15/2013 1037

Client Matrix: Solid Date Received: 10/16/2013 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARSSIPZ04S08**

Lab Sample ID: 240-30301-3 Date Sampled: 10/15/2013 1420

Client Matrix: Solid Date Received: 10/16/2013 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N

General Chemistry

Client Sample ID: **CARMW25S09**

Lab Sample ID: 240-30301-4 Date Sampled: 10/15/2013 1640

Client Matrix: Solid Date Received: 10/16/2013 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	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 Semi VOA		
	*	LCS or LCSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F	MS/MSD Recovery and/or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
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

Client: EnSafe, Inc. Job Number: 240-30301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-106263					
240-30301-2	CARSSIPZ03S05	T	Solid	5035	
240-30301-4	CARMW25S09	T	Solid	5035	
Prep Batch: 240-106363					
LCS 240-106363/2-A	Lab Control Sample	T	Solid	5035	
MB 240-106363/1-A	Method Blank	T	Solid	5035	
240-30301-1	CARMW36S07	T	Solid	5035	
240-30301-3	CARSSIPZ04S08	T	Solid	5035	
Prep Batch: 240-106758					
MB 240-106758/1-A	Method Blank	T	Solid	5035	
Analysis Batch:240-107027					
LCS 240-106363/2-A	Lab Control Sample	T	Solid	8260C	240-106363
MB 240-106363/1-A	Method Blank	T	Solid	8260C	240-106363
240-30301-1	CARMW36S07	T	Solid	8260C	240-106363
240-30301-3	CARSSIPZ04S08	T	Solid	8260C	240-106363
Analysis Batch:240-107052					
LCS 240-107052/5	Lab Control Sample	T	Solid	8260C	
MB 240-106758/1-A	Method Blank	T	Solid	8260C	240-106758
240-30301-2	CARSSIPZ03S05	T	Solid	8260C	240-106263
240-30301-4	CARMW25S09	T	Solid	8260C	240-106263

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-106130					
LCS 240-106130/20-A	Lab Control Sample	T	Solid	3540C	
MB 240-106130/19-A	Method Blank	T	Solid	3540C	
240-30301-1	CARMW36S07	T	Solid	3540C	
240-30301-2	CARSSIPZ03S05	T	Solid	3540C	
240-30301-3	CARSSIPZ04S08	T	Solid	3540C	
240-30301-4	CARMW25S09	T	Solid	3540C	
Analysis Batch:240-106711					
LCS 240-106130/20-A	Lab Control Sample	T	Solid	8270D	240-106130
MB 240-106130/19-A	Method Blank	T	Solid	8270D	240-106130
240-30301-1	CARMW36S07	T	Solid	8270D	240-106130
240-30301-2	CARSSIPZ03S05	T	Solid	8270D	240-106130
240-30301-3	CARSSIPZ04S08	T	Solid	8270D	240-106130
240-30301-4	CARMW25S09	T	Solid	8270D	240-106130

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-106117					
LCS 240-106117/15-A	Lab Control Sample	T	Solid	3540C	
MB 240-106117/14-A	Method Blank	T	Solid	3540C	
240-30301-1	CARMW36S07	T	Solid	3540C	
240-30301-2	CARSSIPZ03S05	T	Solid	3540C	
240-30301-3	CARSSIPZ04S08	T	Solid	3540C	
240-30301-4	CARMW25S09	T	Solid	3540C	
240-30301-4MS	Matrix Spike	T	Solid	3540C	
240-30301-4MSD	Matrix Spike Duplicate	T	Solid	3540C	
Prep Batch: 240-106122					
LCS 240-106122/15-A	Lab Control Sample	T	Solid	3540C	
MB 240-106122/14-A	Method Blank	T	Solid	3540C	
240-30301-1	CARMW36S07	T	Solid	3540C	
240-30301-2	CARSSIPZ03S05	T	Solid	3540C	
240-30301-3	CARSSIPZ04S08	T	Solid	3540C	
240-30301-4	CARMW25S09	T	Solid	3540C	
Analysis Batch:240-106493					
PB 240-106493/2	Preparation / Extraction Blank	T	Solid	8082A	
LCS 240-106117/15-A	Lab Control Sample	T	Solid	8082A	240-106117
MB 240-106117/14-A	Method Blank	T	Solid	8082A	240-106117
240-30301-1	CARMW36S07	T	Solid	8082A	240-106117
240-30301-2	CARSSIPZ03S05	T	Solid	8082A	240-106117
240-30301-3	CARSSIPZ04S08	T	Solid	8082A	240-106117
240-30301-4	CARMW25S09	T	Solid	8082A	240-106117
240-30301-4MS	Matrix Spike	T	Solid	8082A	240-106117
240-30301-4MSD	Matrix Spike Duplicate	T	Solid	8082A	240-106117
Analysis Batch:240-107032					
MB 240-106122/14-A	Method Blank	T	Solid	8081B	240-106122
Analysis Batch:240-107445					
LCS 240-106122/15-A	Lab Control Sample	T	Solid	8081B	240-106122
Prep Batch: 240-108059					
LCS 240-108059/15-A	Lab Control Sample	T	Solid	3540C	
MB 240-108059/14-A	Method Blank	T	Solid	3540C	
240-30301-1RE	CARMW36S07	T	Solid	3540C	
240-30301-2RE	CARSSIPZ03S05	T	Solid	3540C	
240-30301-3RE	CARSSIPZ04S08	T	Solid	3540C	
240-30301-4RE	CARMW25S09	T	Solid	3540C	
Analysis Batch:240-108129					
240-30301-1	CARMW36S07	T	Solid	8081B	240-106122

Client: EnSafe, Inc. Job Number: 240-30301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-108338					
PB 240-108338/3	Preparation / Extraction Blank	T	Solid	8081B	
LCS 240-108059/15-A	Lab Control Sample	T	Solid	8081B	240-108059
MB 240-108059/14-A	Method Blank	T	Solid	8081B	240-108059
240-30301-1RE	CARMW36S07	T	Solid	8081B	240-108059
Analysis Batch:240-109089					
240-30301-3	CARSSIPZ04S08	T	Solid	8081B	240-106122
Analysis Batch:240-110159					
PB 240-110159/3	Preparation / Extraction Blank	T	Solid	8081B	
240-30301-2	CARSSIPZ03S05	T	Solid	8081B	240-106122
240-30301-4	CARMW25S09	T	Solid	8081B	240-106122
Analysis Batch:240-110320					
PB 240-110320/7	Preparation / Extraction Blank	T	Solid	8081B	
240-30301-2RE	CARSSIPZ03S05	T	Solid	8081B	240-108059
240-30301-3RE	CARSSIPZ04S08	T	Solid	8081B	240-108059
240-30301-4RE	CARMW25S09	T	Solid	8081B	240-108059

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-106168					
LCS 240-106168/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-106168/1-A	Method Blank	T	Solid	3050B	
240-30301-1	CARMW36S07	T	Solid	3050B	
240-30301-2	CARSSIPZ03S05	T	Solid	3050B	
240-30301-3	CARSSIPZ04S08	T	Solid	3050B	
240-30301-4	CARMW25S09	T	Solid	3050B	
Prep Batch: 240-106191					
LCS 240-106191/2-A	Lab Control Sample	T	Solid	7471B	
MB 240-106191/1-A	Method Blank	T	Solid	7471B	
240-30301-1	CARMW36S07	T	Solid	7471B	
240-30301-2	CARSSIPZ03S05	T	Solid	7471B	
240-30301-3	CARSSIPZ04S08	T	Solid	7471B	
240-30301-4	CARMW25S09	T	Solid	7471B	
Analysis Batch:240-107033					
LCS 240-106191/2-A	Lab Control Sample	T	Solid	7471B	240-106191
MB 240-106191/1-A	Method Blank	T	Solid	7471B	240-106191
240-30301-1	CARMW36S07	T	Solid	7471B	240-106191
240-30301-2	CARSSIPZ03S05	T	Solid	7471B	240-106191
240-30301-3	CARSSIPZ04S08	T	Solid	7471B	240-106191
240-30301-4	CARMW25S09	T	Solid	7471B	240-106191
Analysis Batch:240-107816					
LCS 240-106168/2-A	Lab Control Sample	T	Solid	6010C	240-106168
MB 240-106168/1-A	Method Blank	T	Solid	6010C	240-106168
240-30301-1	CARMW36S07	T	Solid	6010C	240-106168
240-30301-2	CARSSIPZ03S05	T	Solid	6010C	240-106168
240-30301-3	CARSSIPZ04S08	T	Solid	6010C	240-106168
240-30301-4	CARMW25S09	T	Solid	6010C	240-106168

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30301-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-106259					
240-30301-1	CARMW36S07	T	Solid	Moisture	
240-30301-2	CARSSIPZ03S05	T	Solid	Moisture	
240-30301-2DU	Duplicate	T	Solid	Moisture	
240-30301-3	CARSSIPZ04S08	T	Solid	Moisture	
240-30301-4	CARMW25S09	T	Solid	Moisture	

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30301-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
240-30301-2	CARSSIPZ03S05	131	90	97	104
240-30301-4	CARMW25S09	94	91	96	88

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

Client: EnSafe, Inc.

Job Number: 240-30301-1

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
MB 240-106758/1-A		87	87	88	92
LCS 240-107052/5		89	91	94	94

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: 240-30301-1

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
240-30301-1	CARMW36S07	107	106	106	91
240-30301-3	CARSSIPZ04S08	91	93	90	84
MB 240-106363/1-A		95	93	93	82
LCS 240-106363/2-A		101	103	103	94

Surrogate	Acceptance Limits
TOL = Toluene-d8 (Surr)	33-134
DBFM = Dibromofluoromethane (Surr)	30-122
BFB = 4-Bromofluorobenzene (Surr)	26-141
DCA = 1,2-Dichloroethane-d4 (Surr)	39-128

Client: EnSafe, Inc. Job Number: 240-30301-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec
240-30301-1	CARMW36S07	62	63	56	65	92	54
240-30301-2	CARSSIPZ03S05	67	66	71	67	87	61
240-30301-3	CARSSIPZ04S08	75	70	66	73	93	77
240-30301-4	CARMW25S09	78	72	72	77	105	76
MB 240-106130/19-A		73	61	69	68	91	41
LCS 240-106130/20-A		79	77	75	80	100	85

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30301-1	CARMW36S07	105	100	118	179X
240-30301-1 RE	CARMW36S07 RE	82	87	98	98
240-30301-2	CARSSIPZ03S05	88	85	88	89
240-30301-2 RE	CARSSIPZ03S05 RE	84	97	115	96
240-30301-3	CARSSIPZ04S08	73	75	111	108
240-30301-3 RE	CARSSIPZ04S08 RE	78	74	198X	82
240-30301-4	CARMW25S09	98	99	113	77
240-30301-4 RE	CARMW25S09 RE	81	99	97	125
MB 240-106122/14-A		76	96	65	105
MB 240-108059/14-A		68	76	91	141
LCS 240-106122/15-A		0X	0X	23X	153X
LCS 240-108059/15-A		89	89	99	97

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30301-1	CARMW36S07	79	90	103	86
240-30301-2	CARSSIPZ03S05	62	68	56	58
240-30301-3	CARSSIPZ04S08	0X	0X	0X	0X
240-30301-4	CARMW25S09	0X	0X	0X	0X
MB 240-106117/14-A		71	82	74	88
LCS 240-106117/15-A		76	90	124	87
240-30301-4 MS	CARMW25S09 MS	0X	0X	0X	0X
240-30301-4 MSD	CARMW25S09 MSD	0X	0X	0X	0X

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106363 **Method: 8260C**
Preparation: 5035

Lab Sample ID:	MB 240-106363/1-A	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-106363	Lab File ID:	U1233266.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/24/2013 2119	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		43	1000
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
Acetone	ND		170	1000
1,3-Dichlorobenzene	ND		4.8	250
Benzene	ND		12	250
1,4-Dichlorobenzene	ND		8.0	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
1,1-Dichloroethane	ND		17	250
Carbon tetrachloride	ND		6.4	250
1,2-Dichloroethane	ND		10	250
Chlorobenzene	ND		6.4	250
Chlorodibromomethane	ND		12	250
1,1-Dichloroethene	ND		18	250
Chloroethane	ND		61	250
1,2-Dichloropropane	ND		8.2	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
2-Hexanone	ND		20	1000
cis-1,3-Dichloropropene	ND		7.9	250
Dichlorodifluoromethane	ND		16	250
Dichlorobromomethane	ND		9.9	250
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Ethylbenzene	ND		5.4	250
Isopropylbenzene	ND		6.5	250
Methyl tert-butyl ether	ND		7.1	250
Methylene Chloride	ND		77	250
m-Xylene & p-Xylene	6.72	J	6.2	250
o-Xylene	ND		8.5	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
Styrene	ND		5.6	250
Tetrachloroethene	ND		12	250
Toluene	ND		17	250
trans-1,2-Dichloroethene	ND		9.2	250
trans-1,3-Dichloropropene	ND		20	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,1,1-Trichloroethane	ND		21	250
1,1,2-Trichloroethane	ND		12	250
Ethylene Dibromide	ND		10	250
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106363 **Method: 8260C**
Preparation: 5035

Lab Sample ID:	MB 240-106363/1-A	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-106363	Lab File ID:	U1233266.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/24/2013 2119	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	6.72	J	6.2	500

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	95	33 - 134
Dibromofluoromethane (Surr)	93	30 - 122
4-Bromofluorobenzene (Surr)	93	26 - 141
1,2-Dichloroethane-d4 (Surr)	82	39 - 128

Method Blank TICs- Batch: 240-106363

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
1000132-52-0	1,3-Cyclohexanedione, 5-isopropyl-	11.31	486	T J N
75-65-0	2-Methyl-2-propanol	3.43	301	J
61141-80-8	Cyclohexane, 1,2-diethyl-3-methyl-	11.19	380	T J N
4292-92-6	Cyclohexane, pentyl-	11.75	496	T J N
2847-72-5	Decane, 4-methyl-	10.15	406	T J N
2131-42-2	Naphthalene, 1,4,6-trimethyl-	12.63	283	T J N
2245-38-7	Naphthalene, 1,6,7-trimethyl-	13.42	311	T J N
575-43-9	Naphthalene, 1,6-dimethyl-	8.93	1640	T J N
1120-21-4	Undecane	11.10	712	T J N
	Unknown	11.45	396	T J

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-106363

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 240-106363/2-A	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-106363	Lab File ID:	U1233265.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/24/2013 2054	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	2000	1970	98	10 - 199	
1,2-Dibromo-3-Chloropropane	1000	1220	122	10 - 129	
1,2-Dichlorobenzene	1000	1180	118	68 - 118	
Acetone	2000	1710	86	16 - 156	
1,3-Dichlorobenzene	1000	1170	117	66 - 121	
Benzene	1000	1050	105	70 - 117	
1,4-Dichlorobenzene	1000	1130	113	65 - 119	
Bromoform	1000	937	94	10 - 117	
Bromomethane	1000	1060	106	10 - 114	
Carbon disulfide	1000	1140	114	10 - 132	
1,1-Dichloroethane	1000	1040	104	63 - 117	
Carbon tetrachloride	1000	1060	106	29 - 118	
1,2-Dichloroethane	1000	1010	101	68 - 119	
Chlorobenzene	1000	1130	113	71 - 116	
Chlorodibromomethane	1000	1080	108	22 - 113	
1,1-Dichloroethene	1000	902	90	44 - 143	
Chloroethane	1000	1020	102	10 - 120	
1,2-Dichloropropane	1000	1130	113	73 - 113	
Chloroform	1000	1010	101	63 - 116	
Chloromethane	1000	681	68	25 - 110	
cis-1,2-Dichloroethene	1000	1030	103	60 - 125	
2-Hexanone	2000	2150	108	43 - 130	
cis-1,3-Dichloropropene	1000	1050	105	25 - 120	
Dichlorodifluoromethane	1000	403	40	10 - 110	
Dichlorobromomethane	1000	992	99	28 - 123	
4-Methyl-2-pentanone (MIBK)	2000	2060	103	49 - 121	
Ethylbenzene	1000	1100	110	66 - 119	
Isopropylbenzene	1000	1130	113	61 - 123	
Methyl tert-butyl ether	1000	1110	111	34 - 157	
Methylene Chloride	1000	1000	100	27 - 172	
m-Xylene & p-Xylene	1000	1160	116	67 - 118	
o-Xylene	1000	1130	113	68 - 120	
1,1,2,2-Tetrachloroethane	1000	1010	101	54 - 121	
Styrene	1000	1170	117	60 - 120	
Tetrachloroethene	1000	1130	113	58 - 131	
Toluene	1000	1120	112	66 - 123	
trans-1,2-Dichloroethene	1000	1150	115	58 - 121	
trans-1,3-Dichloropropene	1000	1120	112	22 - 122	
1,2,4-Trichlorobenzene	1000	1250	125	41 - 135	
1,1,1-Trichloroethane	1000	1050	105	38 - 122	
1,1,2-Trichloroethane	1000	1020	102	74 - 114	

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-106363

Method: 8260C
Preparation: 5035

Lab Sample ID:	LCS 240-106363/2-A	Analysis Batch:	240-107027	Instrument ID:	A3UX12
Client Matrix:	Solid	Prep Batch:	240-106363	Lab File ID:	U1233265.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/24/2013 2054	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	1000	1090	109	47 - 123	
Trichloroethene	1000	1100	110	59 - 124	
Trichlorofluoromethane	1000	1050	105	17 - 145	
Vinyl chloride	1000	766	77	33 - 110	
Xylenes, Total	2000	2290	115	68 - 119	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	101	33 - 134
Dibromofluoromethane (Surr)	103	30 - 122
4-Bromofluorobenzene (Surr)	103	26 - 141
1,2-Dichloroethane-d4 (Surr)	94	39 - 128

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106758 **Method: 8260C**
Preparation: 5035

Lab Sample ID:	MB 240-106758/1-A	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-106758	Lab File ID:	UX88257.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/25/2013 0357	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/23/2013 1023				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2-Butanone (MEK)	ND		1.4	20
1,2-Dibromo-3-Chloropropane	ND		1.3	10
1,2-Dichlorobenzene	ND		0.36	5.0
Acetone	ND		6.3	20
1,3-Dichlorobenzene	ND		0.35	5.0
Benzene	ND		0.23	5.0
1,4-Dichlorobenzene	ND		0.66	5.0
Bromoform	ND		0.33	5.0
Bromomethane	ND		0.54	5.0
Carbon disulfide	ND		0.44	5.0
1,1-Dichloroethane	ND		0.36	5.0
Carbon tetrachloride	ND		0.37	5.0
1,2-Dichloroethane	ND		0.34	5.0
Chlorobenzene	ND		0.33	5.0
Chlorodibromomethane	ND		0.55	5.0
1,1-Dichloroethene	ND		0.52	5.0
Chloroethane	ND		0.86	5.0
1,2-Dichloropropane	ND		0.69	5.0
Chloroform	ND		0.29	5.0
Chloromethane	ND		0.41	5.0
cis-1,2-Dichloroethene	ND		0.36	5.0
2-Hexanone	ND		0.63	20
cis-1,3-Dichloropropene	ND		0.34	5.0
Dichlorodifluoromethane	ND		0.50	5.0
Dichlorobromomethane	ND		0.28	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.54	20
Ethylbenzene	ND		0.26	5.0
Isopropylbenzene	ND		0.16	5.0
Methyl tert-butyl ether	ND		0.43	5.0
Methylene Chloride	2.86	J	0.67	5.0
m-Xylene & p-Xylene	ND		1.2	10
o-Xylene	ND		0.35	5.0
1,1,2,2-Tetrachloroethane	ND		0.34	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
1,2,4-Trichlorobenzene	ND		0.27	5.0
1,1,1-Trichloroethane	ND		0.56	5.0
1,1,2-Trichloroethane	ND		0.39	5.0
Ethylene Dibromide	ND		0.50	5.0
Trichloroethene	ND		0.42	5.0
Trichlorofluoromethane	ND		0.34	5.0
Vinyl chloride	ND		0.39	5.0

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106758

Method: 8260C
Preparation: 5035

Lab Sample ID:	MB 240-106758/1-A	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	240-106758	Lab File ID:	UX88257.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.00 g
Analysis Date:	10/25/2013 0357	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/23/2013 1023				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.35	10

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	87	67 - 125
Dibromofluoromethane (Surr)	87	37 - 132
4-Bromofluorobenzene (Surr)	88	52 - 136
1,2-Dichloroethane-d4 (Surr)	92	58 - 123

Method Blank TICs- Batch: 240-106758

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-107052

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 240-107052/5	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88255.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/25/2013 0311	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Butanone (MEK)	100	112	112	52 - 131	
1,2-Dibromo-3-Chloropropane	50.0	49.2	98	61 - 132	
1,2-Dichlorobenzene	50.0	48.2	96	76 - 110	
Acetone	100	115	115	41 - 137	
1,3-Dichlorobenzene	50.0	47.2	94	78 - 111	
Benzene	50.0	48.9	98	79 - 112	
1,4-Dichlorobenzene	50.0	46.7	93	75 - 110	
Bromoform	50.0	59.1	118	62 - 133	
Bromomethane	50.0	45.7	91	42 - 136	
Carbon disulfide	50.0	49.3	99	62 - 146	
1,1-Dichloroethane	50.0	48.2	96	76 - 115	
Carbon tetrachloride	50.0	51.1	102	71 - 129	
1,2-Dichloroethane	50.0	50.8	102	72 - 120	
Chlorobenzene	50.0	47.7	95	78 - 110	
Chlorodibromomethane	50.0	55.2	110	72 - 127	
1,1-Dichloroethene	50.0	45.0	90	75 - 135	
Chloroethane	50.0	42.9	86	58 - 117	
1,2-Dichloropropane	50.0	51.1	102	87 - 113	
Chloroform	50.0	49.5	99	77 - 114	
Chloromethane	50.0	42.6	85	50 - 110	
cis-1,2-Dichloroethene	50.0	49.8	100	76 - 113	
2-Hexanone	100	119	119	64 - 136	
cis-1,3-Dichloropropene	50.0	57.2	114	74 - 128	
Dichlorodifluoromethane	50.0	41.7	83	26 - 113	
Dichlorobromomethane	50.0	53.8	108	84 - 122	
4-Methyl-2-pentanone (MIBK)	100	122	122	67 - 135	
Ethylbenzene	50.0	48.5	97	79 - 117	
Isopropylbenzene	50.0	48.9	98	76 - 122	
Methyl tert-butyl ether	50.0	54.9	110	49 - 165	
Methylene Chloride	50.0	48.4	97	75 - 118	
m-Xylene & p-Xylene	50.0	49.2	98	80 - 117	
o-Xylene	50.0	51.7	103	80 - 120	
1,1,2,2-Tetrachloroethane	50.0	52.0	104	77 - 123	
Styrene	50.0	52.1	104	87 - 117	
Tetrachloroethene	50.0	47.3	95	79 - 114	
Toluene	50.0	47.7	95	75 - 111	
trans-1,2-Dichloroethene	50.0	48.7	97	78 - 117	
trans-1,3-Dichloropropene	50.0	61.4	123	73 - 131	
1,2,4-Trichlorobenzene	50.0	48.7	97	64 - 124	
1,1,1-Trichloroethane	50.0	47.8	96	77 - 126	
1,1,2-Trichloroethane	50.0	49.9	100	83 - 112	

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-107052

Method: 8260C
Preparation: N/A

Lab Sample ID:	LCS 240-107052/5	Analysis Batch:	240-107052	Instrument ID:	A3UX8
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	UX88255.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/25/2013 0311	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	50.0	52.8	106	83 - 117	
Trichloroethene	50.0	49.4	99	79 - 113	
Trichlorofluoromethane	50.0	44.3	89	57 - 146	
Vinyl chloride	50.0	43.5	87	57 - 114	
Xylenes, Total	100	101	101	80 - 118	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	89	67 - 125
Dibromofluoromethane (Surr)	91	37 - 132
4-Bromofluorobenzene (Surr)	94	52 - 136
1,2-Dichloroethane-d4 (Surr)	94	58 - 123

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106130 **Method: 8270D**
Preparation: 3540C

Lab Sample ID:	MB 240-106130/19-A	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-106130	Lab File ID:	31023006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 1303	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.76	6.7
Acenaphthylene	ND		0.35	6.7
Acetophenone	ND		9.2	100
Anthracene	ND		0.78	6.7
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-chloroisopropyl) ether	ND		9.5	100
Bis(2-ethylhexyl) phthalate	ND		19	70
4-Bromophenyl phenyl ether	ND		13	50
Butyl benzyl phthalate	ND		10	70
Carbazole	ND		27	50
4-Chloroaniline	ND		17	150
4-Chloro-3-methylphenol	ND		21	150
2-Chlorophenol	ND		8.2	50
4-Chlorophenyl phenyl ether	ND		13	50
Chrysene	ND		1.1	6.7
Dibenz(a,h)anthracene	ND		0.66	6.7
Dibenzofuran	ND		0.66	50
3,3'-Dichlorobenzidine	ND		18	100
2,4-Dichlorophenol	ND		20	150
Diethyl phthalate	ND		16	70
2,4-Dimethylphenol	ND		20	150
Dimethyl phthalate	ND		17	70
Di-n-butyl phthalate	28.0	J	15	70
4,6-Dinitro-2-methylphenol	ND		9.2	150
2,4-Dinitrophenol	ND		21	330
2,4-Dinitrotoluene	ND		17	200
2,6-Dinitrotoluene	ND		21	200
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
2-Methylnaphthalene	ND		0.50	6.7
2-Methylphenol	ND		11	200
3 & 4 Methylphenol	ND		20	400

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106130

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-106130/19-A	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-106130	Lab File ID:	31023006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 1303	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Naphthalene	ND		0.82	6.7
2-Nitroaniline	ND		9.1	200
3-Nitroaniline	ND		16	200
4-Nitroaniline	ND		26	200
Nitrobenzene	ND		2.2	100
2-Nitrophenol	ND		8.3	50
4-Nitrophenol	ND		17	330
N-Nitrosodi-n-propylamine	ND		6.3	50
N-Nitrosodiphenylamine	ND		21	50
Pentachlorophenol	ND		9.1	150
Phenanthrene	ND		0.73	6.7
Phenol	ND		7.3	50
Pyrene	ND		0.44	6.7
2,4,5-Trichlorophenol	ND		25	150
2,4,6-Trichlorophenol	ND		8.9	150

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	73	24 - 110
2-Fluorophenol (Surr)	61	24 - 110
Nitrobenzene-d5 (Surr)	69	20 - 110
Phenol-d5 (Surr)	68	26 - 110
Terphenyl-d14 (Surr)	91	36 - 110
2,4,6-Tribromophenol (Surr)	41	10 - 110

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-106130

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-106130/20-A	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-106130	Lab File ID:	31023007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 1327	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	519	78	38 - 110	
Acenaphthylene	667	487	73	40 - 110	
Acetophenone	667	461	69	40 - 110	
Anthracene	667	565	85	48 - 110	
Benzo[a]anthracene	667	533	80	50 - 110	
Benzo[a]pyrene	667	543	82	44 - 110	
Benzo[b]fluoranthene	667	569	85	43 - 110	
Benzo[g,h,i]perylene	667	583	87	51 - 110	
Benzo[k]fluoranthene	667	585	88	38 - 105	
Bis(2-chloroethoxy)methane	667	506	76	32 - 110	
Bis(2-chloroethyl)ether	667	475	71	34 - 110	
bis (2-chloroisopropyl) ether	667	501	75	29 - 110	
Bis(2-ethylhexyl) phthalate	667	542	81	50 - 110	
4-Bromophenyl phenyl ether	667	555	83	39 - 110	
Butyl benzyl phthalate	667	536	80	51 - 110	
Carbazole	667	629	94	50 - 110	
4-Chloroaniline	667	426	64	30 - 110	
4-Chloro-3-methylphenol	667	538	81	48 - 110	
2-Chlorophenol	667	503	75	37 - 110	
4-Chlorophenyl phenyl ether	667	545	82	40 - 110	
Chrysene	667	536	80	50 - 110	
Dibenz(a,h)anthracene	667	593	89	51 - 110	
Dibenzofuran	667	532	80	43 - 110	
3,3'-Dichlorobenzidine	1330	1050	79	28 - 110	
2,4-Dichlorophenol	667	493	74	39 - 110	
Diethyl phthalate	667	546	82	52 - 110	
2,4-Dimethylphenol	667	448	67	29 - 110	
Dimethyl phthalate	667	533	80	50 - 110	
Di-n-butyl phthalate	667	632	95	51 - 110	
4,6-Dinitro-2-methylphenol	1330	718	54	10 - 110	
2,4-Dinitrophenol	1330	552	41	10 - 110	
2,4-Dinitrotoluene	667	541	81	48 - 110	
2,6-Dinitrotoluene	667	559	84	45 - 110	
Di-n-octyl phthalate	667	547	82	48 - 110	
Fluoranthene	667	576	86	51 - 110	
Fluorene	667	526	79	46 - 110	
Hexachlorobenzene	667	536	80	43 - 110	
Hexachlorobutadiene	667	479	72	29 - 110	
Hexachlorocyclopentadiene	667	389	58	12 - 110	
Hexachloroethane	667	470	70	30 - 110	
Indeno[1,2,3-cd]pyrene	667	581	87	50 - 110	

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-106130

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-106130/20-A	Analysis Batch:	240-106711	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-106130	Lab File ID:	31023007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 1327	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/18/2013 0854			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isophorone	667	464	70	36 - 110	
2-Methylnaphthalene	667	502	75	36 - 110	
2-Methylphenol	667	501	75	41 - 110	
3 & 4 Methylphenol	667	519	78	40 - 110	
Naphthalene	667	483	72	36 - 110	
2-Nitroaniline	667	555	83	45 - 110	
3-Nitroaniline	667	530	79	44 - 110	
4-Nitroaniline	667	586	88	48 - 110	
Nitrobenzene	667	501	75	32 - 110	
2-Nitrophenol	667	471	71	34 - 110	
4-Nitrophenol	1330	1100	83	28 - 110	
N-Nitrosodi-n-propylamine	667	489	73	38 - 110	
N-Nitrosodiphenylamine	1330	1120	84	46 - 110	
Pentachlorophenol	1330	924	69	10 - 110	
Phenanthrene	667	538	81	49 - 110	
Phenol	667	524	79	38 - 110	
Pyrene	667	525	79	49 - 110	
2,4,5-Trichlorophenol	667	546	82	25 - 110	
2,4,6-Trichlorophenol	667	524	79	12 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	79	24 - 110
2-Fluorophenol (Surr)	77	24 - 110
Nitrobenzene-d5 (Surr)	75	20 - 110
Phenol-d5 (Surr)	80	26 - 110
Terphenyl-d14 (Surr)	100	36 - 110
2,4,6-Tribromophenol (Surr)	85	10 - 110

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106122

Method: 8081B
Preparation: 3540C

Lab Sample ID:	MB 240-106122/14-A	Analysis Batch:	240-107032	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-106122	Lab File ID:	P9102459.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/25/2013 0708	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/18/2013 0837			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
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
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	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
Methoxychlor	ND		1.5	3.3
Toxaphene	ND		19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	41 - 157
Tetrachloro-m-xylene	105	40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106122

Method: 8081B
Preparation: 3540C

Lab Sample ID:	MB 240-106122/14-A	Analysis Batch:	240-107032	Instrument ID:	A2HP9
Client Matrix:	Solid	Prep Batch:	240-106122	Lab File ID:	P9102459.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/25/2013 0708	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/18/2013 0837			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Result	Qual	MDL	RL
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
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	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
Methoxychlor	ND		1.5	3.3
Toxaphene	ND		19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	76	41 - 157
Tetrachloro-m-xylene	65	40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-106122

Method: 8081B
Preparation: 3540C

Lab Sample ID:	LCS 240-106122/15-A	Analysis Batch:	240-107445	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-106122	Lab File ID:	P3102911.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/29/2013 0642	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/18/2013 0837			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	33.3	ND	3	40 - 145	*
alpha-BHC	33.3	0.747	2	50 - 153	J *
alpha-Chlordane	33.3	ND	3	42 - 150	*
beta-BHC	33.3	ND	3	43 - 153	*
4,4'-DDD	33.3	0.973	3	53 - 160	J *
4,4'-DDE	33.3	0.936	3	46 - 143	J *
4,4'-DDT	33.3	1.23	4	40 - 157	J *
delta-BHC	33.3	ND	2	54 - 152	*
Dieldrin	33.3	0.905	3	51 - 154	J *
Endosulfan I	33.3	0.735	2	40 - 148	J *
Endosulfan II	33.3	0.973	3	42 - 137	J *
Endosulfan sulfate	33.3	1.07	3	50 - 153	J *
Endrin	33.3	0.989	3	55 - 147	J *
Endrin aldehyde	33.3	1.15	3	43 - 158	J *
Endrin ketone	33.3	1.01	3	41 - 142	J *
gamma-BHC (Lindane)	33.3	0.904	3	44 - 160	J *
gamma-Chlordane	33.3	ND	0	47 - 156	*
Heptachlor	33.3	ND	2	47 - 137	*
Heptachlor epoxide	33.3	0.877	3	53 - 153	J *
Methoxychlor	33.3	1.94	6	40 - 152	J *

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	X	41 - 157
Tetrachloro-m-xylene	153	X	40 - 149

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	X	41 - 157
Tetrachloro-m-xylene	23	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-108059

Method: 8081B
Preparation: 3540C

Lab Sample ID:	MB 240-108059/14-A	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-108059	Lab File ID:	P3110557.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	11/05/2013 2102	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/01/2013 0957			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
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
4,4'-DDD	ND		0.62	1.7
4,4'-DDE	ND		0.39	1.7
4,4'-DDT	ND		0.63	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
Methoxychlor	ND		1.5	3.3
Toxaphene	ND		19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	68	41 - 157
Tetrachloro-m-xylene	91	40 - 149

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	76	41 - 157
Tetrachloro-m-xylene	141	40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Lab Control Sample - Batch: 240-108059

Method: 8081B
Preparation: 3540C

Lab Sample ID:	LCS 240-108059/15-A	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-108059	Lab File ID:	P3110545.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	11/05/2013 1653	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	11/01/2013 0957			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	33.3	24.6	74	40 - 145	
alpha-BHC	33.3	32.2	97	50 - 153	
alpha-Chlordane	33.3	30.7	92	42 - 150	
beta-BHC	33.3	31.5	94	43 - 153	
4,4'-DDD	33.3	45.4	136	53 - 160	
4,4'-DDE	33.3	30.0	90	46 - 143	
4,4'-DDT	33.3	42.4	127	40 - 157	
delta-BHC	33.3	34.1	102	54 - 152	
Dieldrin	33.3	31.7	95	51 - 154	
Endosulfan I	33.3	21.3	64	40 - 148	
Endosulfan II	33.3	25.1	75	42 - 137	
Endosulfan sulfate	33.3	35.3	106	50 - 153	
Endrin	33.3	36.0	108	55 - 147	
Endrin aldehyde	33.3	34.9	105	43 - 158	
Endrin ketone	33.3	33.6	101	41 - 142	
gamma-BHC (Lindane)	33.3	34.4	103	44 - 160	
gamma-Chlordane	33.3	32.8	99	47 - 156	
Heptachlor	33.3	37.1	111	47 - 137	
Heptachlor epoxide	33.3	33.6	101	53 - 153	
Methoxychlor	33.3	39.7	119	40 - 152	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	41 - 157
Tetrachloro-m-xylene	99	40 - 149

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	41 - 157
Tetrachloro-m-xylene	97	40 - 149

Client: EnSafe, Inc. Job Number: 240-30301-1

Preparation / Extraction Blank - Batch: 240-108338 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-108338/3	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3110503.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/05/2013 0028	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Preparation / Extraction Blank - Batch: 240-108338 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-108338/3	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3110503.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/05/2013 0028	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Preparation / Extraction Blank - Batch: 240-110159 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-110159/3	Analysis Batch:	240-110159	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3111603.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/16/2013 1108	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Preparation / Extraction Blank - Batch: 240-110159 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-110159/3	Analysis Batch:	240-110159	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3111603.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/16/2013 1108	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Preparation / Extraction Blank - Batch: 240-110320 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-110320/7	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3111807.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/18/2013 1544	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Preparation / Extraction Blank - Batch: 240-110320 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-110320/7	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3111807.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/18/2013 1544	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
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
4,4'-DDD	ND		1.9	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.9	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
Methoxychlor	ND		4.5	9.9
Toxaphene	ND		57	200

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

Method Blank - Batch: 240-106117

Method: 8082A
Preparation: 3540C

Lab Sample ID:	MB 240-106117/14-A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-106117	Lab File ID:	P1000020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/22/2013 0644	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/18/2013 0832			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		21	33
Aroclor-1221	ND		16	33
Aroclor-1232	ND		14	33
Aroclor-1242	ND		13	33
Aroclor-1248	ND		17	33
Aroclor-1254	ND		17	33
Aroclor-1260	ND		17	33
Aroclor-1262	ND		27	33
Aroclor-1268	ND		14	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	71	14 - 163
Tetrachloro-m-xylene	74	29 - 151

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	14 - 163
Tetrachloro-m-xylene	88	29 - 151

Lab Control Sample - Batch: 240-106117

Method: 8082A
Preparation: 3540C

Lab Sample ID:	LCS 240-106117/15-A	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-106117	Lab File ID:	P1000026.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/22/2013 0815	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/18/2013 0832			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	333	251	75	62 - 120	
Aroclor-1260	333	249	75	56 - 122	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	76	14 - 163
Tetrachloro-m-xylene	124	29 - 151

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	90	14 - 163
Tetrachloro-m-xylene	87	29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-106117

Method: 8082A
Preparation: 3540C

MS Lab Sample ID:	240-30301-4	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-106117	Lab File ID:	P1000023.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	30.50 g
Analysis Date:	10/22/2013 0729			Final Weight/Volume:	10 mL
Prep Date:	10/18/2013 0832			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-30301-4	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-106117	Lab File ID:	P1000024.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	29.58 g
Analysis Date:	10/22/2013 0745			Final Weight/Volume:	10 mL
Prep Date:	10/18/2013 0832			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor-1016	NC	NC	22 - 157	NC	30		
Aroclor-1260	-320	284	13 - 161	59	30	4	4 F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	X	0	X	14 - 163
Tetrachloro-m-xylene	0	X	0	X	29 - 151

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	X	0	X	14 - 163
Tetrachloro-m-xylene	0	X	0	X	29 - 151

Client: EnSafe, Inc. Job Number: 240-30301-1

Preparation / Extraction Blank - Batch: 240-106493

Method: 8082A
Preparation: N/A

Lab Sample ID:	PB 240-106493/2	Analysis Batch:	240-106493	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1000002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/22/2013 0211	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
Aroclor-1016	ND		63	99
Aroclor-1221	ND		48	99
Aroclor-1232	ND		42	99
Aroclor-1242	ND		39	99
Aroclor-1248	ND		51	99
Aroclor-1254	ND		51	99
Aroclor-1260	ND		51	99
Aroclor-1262	ND		81	99
Aroclor-1268	ND		42	99

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

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

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106168

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 240-106168/1-A	Analysis Batch:	240-107816	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-106168	Lab File ID:	I9103013A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/30/2013 1201	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.30	1.5
Barium	0.146	J	0.071	20
Cadmium	ND		0.036	0.50
Chromium	ND		0.20	1.0
Lead	ND		0.19	1.0
Selenium	ND		0.45	2.0
Silver	ND		0.10	1.0

Lab Control Sample - Batch: 240-106168

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 240-106168/2-A	Analysis Batch:	240-107816	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-106168	Lab File ID:	I9103013A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/30/2013 1205	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	189	94	80 - 120	
Barium	200	188	94	80 - 120	
Cadmium	5.00	4.78	96	80 - 120	
Chromium	20.0	19.0	95	80 - 120	
Lead	50.0	46.3	93	80 - 120	
Selenium	200	188	94	80 - 120	
Silver	5.00	4.79	96	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30301-1

Method Blank - Batch: 240-106191

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 240-106191/1-A	Analysis Batch:	240-107033	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106191	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/24/2013 1715	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-106191

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 240-106191/2-A	Analysis Batch:	240-107033	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106191	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/24/2013 1721	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.813	98	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30301-1

Duplicate - Batch: 240-106259

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-30301-2	Analysis Batch:	240-106259	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/18/2013 1716	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

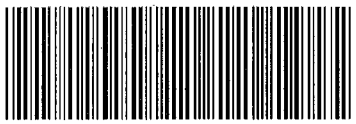
Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	82	82	1	20	
Percent Moisture	18	18	4	20	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-30301 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

1.8

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 1 of 1

ENSAFE
EnSafe Inc.
800-588-7962

Project Name: CARRIER SUB-SLAB INVESTIGATION (TR-1)
PO No. 15641 | Project No. 14332 | Phase PH 02
Site Location: SYRACUSE, NY
Send Results To: SHANE GOODNIGHT

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone#: JOE MATTEWS 901-212-6408
Lab Name: TEST AMERICA | Turnaround Time(specify): 21 DAYS

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	VOC's	MEOH VOC's	DRY WEIGHT	RCRA METALS	SVOC's TOT. PCB PESTICIDES							PCB SCAN FOR HIGH CONTAMINATION	Extra Volume for MS/MSD	HOLD
	CARMW36S07	MW36	10/15/13	0810	SO	N	N	6	2	1	1	1	1									
	CARSSIPZ03S05	SSIPZ03	10/15/13	1037	SO	N	N	5	2	1	—	1	1									
	CARSSIPZ04S08	SSIPZ04	10/15/13	1420	SO	N	N	6	2	1	1	1	1							X		
	CARMW25S09	MW25	10/15/13	1640	SO	N	N	6	2	1	1	1	1							X		

Field **Comments:**

Lab **Comments:**

Sample Shipment and Delivery Details
Number of coolers in shipment:
Samples Iced? (check) Yes ✓ No
Method of Shipment: FedEx
Airbill No:
Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		10/15/13	17:10	SYR.	10-15-13	17:10
2		10/15/13	19:00		10/16/13	0845
3		10/16/13	5:30		10-16-13	15:30

(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 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, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

10-16-13 17:50 TA Canton 10/16/13 17:50

Rev. 12/12

TestAmerica Canton Sample Receipt Form/Narrative Login # : 30301
Canton Facility

Client En Sale Site Name _____ Cooler unpacked by:

Cooler Received on 10/16/13 Opened on 10/17/13

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
   - IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
   - IR GUN# 4 (CF +1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C ☐ See Multiple Cooler Form
   - IR GUN# 5 (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
   - IR GUN# 8 (CF -0 °C) Observed Cooler Temp. 1.8 °C Corrected Cooler Temp. 1.8 °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# **HC376062**
11. Were VOAs on the COC? Yes (No)
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? Yes (No)

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: Derek D. Green

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

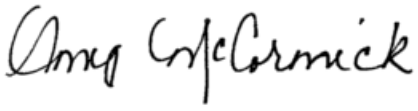
ANALYTICAL REPORT

Job Number: 240-30670-1

Job Description: Former TR-1 Sub-Slab 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
11/18/2013 2:29 PM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/18/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-30670-1

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.

Aroclor-1262 and Aroclor-1268 are 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.

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

RECEIPT

The samples were received on 10/25/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.0, 1.8, 2.0, 2.1, 2.8 and 3.0 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW26G20131024 (240-30670-5), CARMW37G20131024 (240-30670-6), CARMW27G20131024 (240-30670-7), CARMW39G20131024 (240-30670-8) and CARSSIPZ04G20131024 (240-30670-9) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 11/06/2013.

Samples TR1VMW23G20131023 (240-30670-1)[200X], TR1VMW24G20131023 (240-30670-2)[100X], CARMW37G20131024 (240-30670-6)[833.33X], CARMW27G20131024 (240-30670-7)[1.67X], CARMW39G20131024 (240-30670-8)[5X] and CARSSIPZ04G20131024 (240-30670-9)[8X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Acetone was detected in method blank MB 240-108601/6 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 for batch 108601 recovered outside control limits for multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample for batch 108601 recovered outside control limits for Acetone. This has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The continuing calibration verification (CCV) for analytical batch 108601 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 TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW26G20131024 (240-30670-5), CARMW37G20131024 (240-30670-6), CARMW27G20131024 (240-30670-7), CARMW39G20131024 (240-30670-8) and CARSSIPZ04G20131024 (240-30670-9) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/29/2013 and 10/31/2013 and analyzed on 10/31/2013, 11/04/2013 and 11/09/2013.

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

Samples CARMW28G20131023 (240-30670-3)[4X], CARMW34G20131024 (240-30670-4)[5X] and CARSSIPZ04G20131024 (240-30670-9)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Bis(2-ethylhexyl) phthalate was detected in method blanks MB 240-107496/23-A and MB 240-107842/23-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.
Method(s) 8270D: The following sample(s) was diluted due to the nature of the sample matrix: CARMW34G20131024 (240-30670-4). Elevated reporting limits (RLs) are provided.

The limit of detection verification (LODV) present in analytical batch 108197 is necessary to confirm the non-detect in the prep blank 107496.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW26G20131024 (240-30670-5), CARMW37G20131024 (240-30670-6), CARMW27G20131024 (240-30670-7), CARMW39G20131024 (240-30670-8) and CARSSIPZ04G20131024 (240-30670-9) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 10/28/2013 and analyzed on 11/04/2013 and 11/09/2013.

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.

Sample CARSSIPZ04G20131024 (240-30670-9)[5X] required dilution prior to analysis due to the color of the extract. The reporting limits have been adjusted accordingly.

Decachlorobiphenyl failed the surrogate recovery criteria low for CARMW34G20131024 (240-30670-4).

The laboratory control sample (LCS) for batch 107322 recovered outside control limits for Endrin, Methoxychlor, Heptachlor, and 4,4-DDT. These analytes were biased high in the LCS and were not detected in samples CARMW27G20131024 (240-30670-7), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW37G20131024 (240-30670-6), CARMW39G20131024 (240-30670-8), TR1VMW23G20131023 (240-30670-1), and TR1VMW24G20131023 (240-30670-2); therefore, the data have been reported.

The opening continuing calibration verification (CCV) associated with batch 109089 recovered DDT and Methoxychlor above the upper control limits. Sample CARMW26G20131024 (240-30670-5) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 109089 recovered DDT, Methoxychlor, delta-BHC, and Heptachlor above the upper control limits. Sample CARMW26G20131024 (240-30670-5) associated with this CCV was non-detects for the affected analytes; therefore, the data have been reported.

The opening and closing continuing calibration verifications (CCV) associated with batch 108129 recovered DDD, DDT, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor, and Methoxychlor above the upper control limist. Sample CARSSIPZ04G20131024 (240-30670-9) associated with these CCVs were non-detects for the affected analytes; therefore, the data have been reported.

The opening continuing calibration verification (CCV) associated with batch 108129 recovered DDT, Endosulfan Sulfate, Endrin, Heptachlor, and Methoxychlor above the upper control limits. Samples CARMW27G20131024 (240-30670-7), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW37G20131024 (240-30670-6), CARMW39G20131024 (240-30670-8), TR1VMW23G20131023 (240-30670-1), and TR1VMW24G20131023 (240-30670-2) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 108129 recovered DDD, DDT, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor, and Methoxychlor above the upper control limits. Samples

CARMW27G20131024 (240-30670-7), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW37G20131024 (240-30670-6), CARMW39G20131024 (240-30670-8), TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing Toxaphene continuing calibration verification (CCV) associated with batch 108129 recovered above the upper control limit. Samples CARMW27G20131024 (240-30670-7), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW37G20131024 (240-30670-6), CARMW39G20131024 (240-30670-8), CARSSIPZ04G20131024 (240-30670-9), TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2) associated with this CCV were non-detects for the affected analyte; 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 TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW26G20131024 (240-30670-5), CARMW37G20131024 (240-30670-6), CARMW27G20131024 (240-30670-7), CARMW39G20131024 (240-30670-8) and CARSSIPZ04G20131024 (240-30670-9) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 10/28/2013 and analyzed on 10/30/2013.

Sample CARSSIPZ04G20131024 (240-30670-9) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW26G20131024 (240-30670-5), CARMW37G20131024 (240-30670-6), CARMW27G20131024 (240-30670-7), CARMW39G20131024 (240-30670-8) and CARSSIPZ04G20131024 (240-30670-9) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/31/2013 and analyzed on 11/05/2013.

Barium was detected in method blank MB 240-107845/1-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 TR1VMW23G20131023 (240-30670-1), TR1VMW24G20131023 (240-30670-2), CARMW28G20131023 (240-30670-3), CARMW34G20131024 (240-30670-4), CARMW26G20131024 (240-30670-5), CARMW37G20131024 (240-30670-6), CARMW27G20131024 (240-30670-7), CARMW39G20131024 (240-30670-8) and CARSSIPZ04G20131024 (240-30670-9) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 10/31/2013 and analyzed on 11/01/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30670-1	**TR1VMW23G20131023**					
cis-1,2-Dichloroethene		9600		200	ug/L	8260C
1,1-Dichloroethane		280		200	ug/L	8260C
1,1-Dichloroethene		66	J	200	ug/L	8260C
Toluene		95	J	200	ug/L	8260C
1,1,1-Trichloroethane		110	J	200	ug/L	8260C
Trichloroethene		600		200	ug/L	8260C
Vinyl chloride		650		200	ug/L	8260C
2-Methylnaphthalene		2.4		0.19	ug/L	8270D
2-Methylphenol		1.7		0.95	ug/L	8270D
Bis(2-ethylhexyl) phthalate		0.42	J B	1.9	ug/L	8270D
Di-n-butyl phthalate		1.0	J	1.9	ug/L	8270D
Naphthalene		15		0.19	ug/L	8270D
delta-BHC		0.021	J	0.049	ug/L	8081B
Total Recoverable						
Arsenic		16		15	ug/L	6010C
Barium		200	B	200	ug/L	6010C
240-30670-2	**TR1VMW24G20131023**					
cis-1,2-Dichloroethene		4600		100	ug/L	8260C
1,1-Dichloroethane		130		100	ug/L	8260C
1,1-Dichloroethene		45	J	100	ug/L	8260C
Trichloroethene		81	J	100	ug/L	8260C
Bis(2-ethylhexyl) phthalate		0.38	J B	1.9	ug/L	8270D
Di-n-butyl phthalate		0.74	J	1.9	ug/L	8270D
Total Recoverable						
Barium		44	J B	200	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30670-3	**CARMW28G20131023**					
Acetone		1.1	J B *	10	ug/L	8260C
Carbon disulfide		0.31	J	1.0	ug/L	8260C
Chloroform		0.37	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		20		1.0	ug/L	8260C
1,4-Dichlorobenzene		2.6		1.0	ug/L	8260C
1,1-Dichloroethane		9.8		1.0	ug/L	8260C
1,1-Dichloroethene		0.19	J	1.0	ug/L	8260C
Tetrachloroethene		0.76	J	1.0	ug/L	8260C
1,1,1-Trichloroethane		5.3		1.0	ug/L	8260C
Trichloroethene		41		1.0	ug/L	8260C
Vinyl chloride		0.44	J	1.0	ug/L	8260C
delta-BHC		0.031	J	0.048	ug/L	8081B
gamma-BHC (Lindane)		0.047	J	0.048	ug/L	8081B
Total Recoverable						
Barium		140	J B	200	ug/L	6010C
240-30670-4	**CARMW34G20131024**					
Acetone		3.3	J B *	10	ug/L	8260C
Carbon disulfide		2.6		1.0	ug/L	8260C
Chloroethane		1.9		1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.9		1.0	ug/L	8260C
1,2-Dichlorobenzene		0.35	J	1.0	ug/L	8260C
1,1-Dichloroethane		17		1.0	ug/L	8260C
Tetrachloroethene		0.43	J	1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.71	J	1.0	ug/L	8260C
Trichloroethene		1.7		1.0	ug/L	8260C
Vinyl chloride		3.8		1.0	ug/L	8260C
4-Chloro-3-methylphenol		13		9.8	ug/L	8270D
Carbazole		1.6	J	4.9	ug/L	8270D
Fluorene		0.71	J	0.98	ug/L	8270D
Phenanthrene		0.40	J	0.98	ug/L	8270D
delta-BHC		0.022	J	0.049	ug/L	8081B
Total Recoverable						
Arsenic		10	J	15	ug/L	6010C
Barium		520	B	200	ug/L	6010C
Chromium		8.9	J	10	ug/L	6010C
Lead		2.2	J	10	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30670-5	**CARMW26G20131024**					
Acetone		3.5	J B *	10	ug/L	8260C
Carbon disulfide		0.23	J	1.0	ug/L	8260C
Chloroform		1.9		1.0	ug/L	8260C
cis-1,2-Dichloroethene		8.1		1.0	ug/L	8260C
1,4-Dichlorobenzene		2.3		1.0	ug/L	8260C
1,1-Dichloroethane		4.2		1.0	ug/L	8260C
1,1-Dichloroethene		1.3		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.27	J	1.0	ug/L	8260C
1,2,4-Trichlorobenzene		1.1		1.0	ug/L	8260C
Trichloroethene		22		1.0	ug/L	8260C
Vinyl chloride		3.7		1.0	ug/L	8260C
Carbazole		0.46	J	1.0	ug/L	8270D
Di-n-butyl phthalate		0.82	J	2.1	ug/L	8270D
4,4'-DDE		0.37		0.053	ug/L	8081B
Endrin		0.036	J *	0.053	ug/L	8081B
Heptachlor		0.019	J *	0.053	ug/L	8081B
Total Recoverable						
Barium		140	J B	200	ug/L	6010C
Chromium		3.2	J	10	ug/L	6010C
240-30670-6	**CARMW37G20131024**					
cis-1,2-Dichloroethene		880		830	ug/L	8260C
Trichloroethene		41000		830	ug/L	8260C
Naphthalene		0.12	J	0.19	ug/L	8270D
Total Recoverable						
Barium		56	J B	200	ug/L	6010C
Chromium		180		10	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30670-7	**CARMW27G20131024**					
Carbon disulfide		1.8		1.7	ug/L	8260C
Chloroform		2.3		1.7	ug/L	8260C
cis-1,2-Dichloroethene		14		1.7	ug/L	8260C
1,1-Dichloroethane		23		1.7	ug/L	8260C
1,1-Dichloroethene		3.1		1.7	ug/L	8260C
trans-1,2-Dichloroethene		0.45	J	1.7	ug/L	8260C
1,1,1-Trichloroethane		3.3		1.7	ug/L	8260C
Trichloroethene		59		1.7	ug/L	8260C
Vinyl chloride		2.8		1.7	ug/L	8260C
Anthracene		0.57		0.19	ug/L	8270D
Di-n-butyl phthalate		0.98	J	1.9	ug/L	8270D
delta-BHC		0.026	J	0.048	ug/L	8081B
gamma-BHC (Lindane)		0.013	J	0.048	ug/L	8081B
Total Recoverable						
Barium		130	J B	200	ug/L	6010C
240-30670-8	**CARMW39G20131024**					
Acetone		10	J B *	50	ug/L	8260C
cis-1,2-Dichloroethene		63		5.0	ug/L	8260C
trans-1,2-Dichloroethene		2.6	J	5.0	ug/L	8260C
Trichloroethene		230		5.0	ug/L	8260C
Vinyl chloride		2.7	J	5.0	ug/L	8260C
Bis(2-ethylhexyl) phthalate		0.31	J B	1.9	ug/L	8270D
delta-BHC		0.021	J	0.050	ug/L	8081B
Total Recoverable						
Barium		96	J B	200	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30670-9	**CARSSIPZ04G20131024**					
Carbon disulfide		39		8.0	ug/L	8260C
cis-1,2-Dichloroethene		340		8.0	ug/L	8260C
1,1-Dichloroethane		230		8.0	ug/L	8260C
1,1-Dichloroethene		20		8.0	ug/L	8260C
Toluene		5.5	J	8.0	ug/L	8260C
trans-1,2-Dichloroethene		4.9	J	8.0	ug/L	8260C
1,1,1-Trichloroethane		70		8.0	ug/L	8260C
Trichloroethene		11		8.0	ug/L	8260C
Vinyl chloride		34		8.0	ug/L	8260C
4-Chloro-3-methylphenol		9.0	J	19	ug/L	8270D
Naphthalene		1.0	J	1.9	ug/L	8270D
Aroclor-1260		0.22	J	0.48	ug/L	8082A
Total Recoverable						
Arsenic		3.2	J	15	ug/L	6010C
Barium		510	B	200	ug/L	6010C

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-30670-1

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 (Continuous)	TAL CAN		SW846 3520C
Organochlorine Pesticides (GC)	TAL CAN	SW846 8081B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CAN		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CAN		SW846 3510C
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: 240-30670-1

Method	Analyst	Analyst ID
SW846 8260C	Quayle, Rick	RJQ
SW846 8270D	Gruber, John	JMG
SW846 8270D	Hula, Tom	TMH
SW846 8081B	Van Doren, Carolyn	CVD
SW846 8082A	Hass, Lori	LSH
SW846 6010C	Counts, Karen	KLC
SW846 7470A	Sutherland, Aaron	ADS

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-30670-1	TR1VMW23G20131023	Water	10/23/2013 0907	10/25/2013 0920
240-30670-2	TR1VMW24G20131023	Water	10/23/2013 1029	10/25/2013 0920
240-30670-3	CARMW28G20131023	Water	10/23/2013 1715	10/25/2013 0920
240-30670-4	CARMW34G20131024	Water	10/24/2013 0815	10/25/2013 0920
240-30670-5	CARMW26G20131024	Water	10/24/2013 0953	10/25/2013 0920
240-30670-6	CARMW37G20131024	Water	10/24/2013 1140	10/25/2013 0920
240-30670-7	CARMW27G20131024	Water	10/24/2013 1215	10/25/2013 0920
240-30670-8	CARMW39G20131024	Water	10/24/2013 1430	10/25/2013 0920
240-30670-9	CARSSIPZ04G20131024	Water	10/24/2013 1448	10/25/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1469.D
Dilution:	200			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1215			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1215				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND	*	220	2000
Benzene	ND		26	200
Bromoform	ND		130	200
Bromomethane	ND		82	200
2-Butanone (MEK)	ND	*	110	2000
Carbon disulfide	ND		26	200
Carbon tetrachloride	ND		26	200
Chlorobenzene	ND		30	200
Chlorodibromomethane	ND	*	36	200
Chloroethane	ND		58	200
Chloroform	ND		32	200
Chloromethane	ND		60	200
cis-1,2-Dichloroethene	9600		34	200
cis-1,3-Dichloropropene	ND	*	28	200
1,2-Dibromo-3-Chloropropane	ND		130	400
1,2-Dichlorobenzene	ND		26	200
1,3-Dichlorobenzene	ND		28	200
1,4-Dichlorobenzene	ND		26	200
Dichlorobromomethane	ND	*	30	200
Dichlorodifluoromethane	ND		62	200
1,1-Dichloroethane	280		30	200
1,2-Dichloroethane	ND		44	200
1,1-Dichloroethene	66	J	38	200
1,2-Dichloropropane	ND		36	200
Ethylbenzene	ND		34	200
Ethylene Dibromide	ND	*	48	200
2-Hexanone	ND		82	2000
Isopropylbenzene	ND		26	200
Methylene Chloride	ND		66	200
4-Methyl-2-pentanone (MIBK)	ND	*	64	2000
Methyl tert-butyl ether	ND		34	200
Styrene	ND		22	200
1,1,2,2-Tetrachloroethane	ND		36	200
Tetrachloroethene	ND		58	200
Toluene	95	J	26	200
trans-1,2-Dichloroethene	ND		38	200
trans-1,3-Dichloropropene	ND	*	38	200
1,2,4-Trichlorobenzene	ND		30	200
1,1,1-Trichloroethane	110	J	44	200
1,1,2-Trichloroethane	ND		54	200
Trichloroethene	600		34	200
Trichlorofluoromethane	ND		42	200
Vinyl chloride	650		44	200
Xylenes, Total	ND		28	400

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1469.D
Dilution:	200			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1215			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1215				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		66 - 117
Dibromofluoromethane (Surr)	103		75 - 121
1,2-Dichloroethane-d4 (Surr)	95		63 - 129
Toluene-d8 (Surr)	99		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1469.D
Dilution:	200			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1215			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1215				

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

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1470.D
Dilution:	100			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1237			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND	*	110	1000
Benzene	ND		13	100
Bromoform	ND		64	100
Bromomethane	ND		41	100
2-Butanone (MEK)	ND	*	57	1000
Carbon disulfide	ND		13	100
Carbon tetrachloride	ND		13	100
Chlorobenzene	ND		15	100
Chlorodibromomethane	ND	*	18	100
Chloroethane	ND		29	100
Chloroform	ND		16	100
Chloromethane	ND		30	100
cis-1,2-Dichloroethene	4600		17	100
cis-1,3-Dichloropropene	ND	*	14	100
1,2-Dibromo-3-Chloropropane	ND		67	200
1,2-Dichlorobenzene	ND		13	100
1,3-Dichlorobenzene	ND		14	100
1,4-Dichlorobenzene	ND		13	100
Dichlorobromomethane	ND	*	15	100
Dichlorodifluoromethane	ND		31	100
1,1-Dichloroethane	130		15	100
1,2-Dichloroethane	ND		22	100
1,1-Dichloroethene	45	J	19	100
1,2-Dichloropropane	ND		18	100
Ethylbenzene	ND		17	100
Ethylene Dibromide	ND	*	24	100
2-Hexanone	ND		41	1000
Isopropylbenzene	ND		13	100
Methylene Chloride	ND		33	100
4-Methyl-2-pentanone (MIBK)	ND	*	32	1000
Methyl tert-butyl ether	ND		17	100
Styrene	ND		11	100
1,1,2,2-Tetrachloroethane	ND		18	100
Tetrachloroethene	ND		29	100
Toluene	ND		13	100
trans-1,2-Dichloroethene	ND		19	100
trans-1,3-Dichloropropene	ND	*	19	100
1,2,4-Trichlorobenzene	ND		15	100
1,1,1-Trichloroethane	ND		22	100
1,1,2-Trichloroethane	ND		27	100
Trichloroethene	81	J	17	100
Trichlorofluoromethane	ND		21	100
Vinyl chloride	ND		22	100
Xylenes, Total	ND		14	200

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1470.D
Dilution:	100			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1237			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1237				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	90		66 - 117
Dibromofluoromethane (Surr)	101		75 - 121
1,2-Dichloroethane-d4 (Surr)	94		63 - 129
Toluene-d8 (Surr)	96		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1470.D
Dilution:	100			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1237			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1237				

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

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1471.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1259			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1259				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.1	J B *	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND	*	0.57	10
Carbon disulfide	0.31	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND	*	0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	0.37	J	0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	20		0.17	1.0
cis-1,3-Dichloropropene	ND	*	0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	2.6		0.13	1.0
Dichlorobromomethane	ND	*	0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	9.8		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	0.19	J	0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND	*	0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	0.76	J	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	5.3		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	41		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	0.44	J	0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1471.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1259			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1259				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		66 - 117
Dibromofluoromethane (Surr)	97		75 - 121
1,2-Dichloroethane-d4 (Surr)	91		63 - 129
Toluene-d8 (Surr)	92		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1471.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1259			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1259				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
590-50-1	2-Pentanone, 4,4-dimethyl-	7.45	9.4	T J N

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1472.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1322			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1322				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.3	J B *	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND	*	0.57	10
Carbon disulfide	2.6		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND	*	0.18	1.0
Chloroethane	1.9		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	2.9		0.17	1.0
cis-1,3-Dichloropropene	ND	*	0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	0.35	J	0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND	*	0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	17		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND	*	0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	0.43	J	0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.71	J	0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	1.7		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	3.8		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1472.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1322			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1322				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		66 - 117
Dibromofluoromethane (Surr)	101		75 - 121
1,2-Dichloroethane-d4 (Surr)	95		63 - 129
Toluene-d8 (Surr)	93		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1472.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1322			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1322				

Tentatively Identified Compounds **Number TIC's Found: 10**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
590-50-1	2-Pentanone, 4,4-dimethyl-	7.45	81	T J N
496-11-7	Indane	10.80	4.9	T J N
91-17-8	Naphthalene, decahydro-	10.91	6.8	T J N
1005-64-7	Benzene, 1-butenyl-, (E)-	11.31	5.2	T J N
767-58-8	Indan, 1-methyl-	11.38	19	T J N
4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	11.55	6.9	T J N
488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.65	12	T J N
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	12.14	26	T J N
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	12.52	11	T J N
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethyl-	12.62	17	T J N

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1473.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1344			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1344				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.5	J B *	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND	*	0.57	10
Carbon disulfide	0.23	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND	*	0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	1.9		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	8.1		0.17	1.0
cis-1,3-Dichloropropene	ND	*	0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	2.3		0.13	1.0
Dichlorobromomethane	ND	*	0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	4.2		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	1.3		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND	*	0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.27	J	0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
1,2,4-Trichlorobenzene	1.1		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	22		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	3.7		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1473.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1344			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1344				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		66 - 117
Dibromofluoromethane (Surr)	102		75 - 121
1,2-Dichloroethane-d4 (Surr)	97		63 - 129
Toluene-d8 (Surr)	97		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1473.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1344			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1344				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
590-50-1	2-Pentanone, 4,4-dimethyl-	7.44	3.3	T J N

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1474.D
Dilution:	833.33			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1407			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1407				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND	*	920	8300
Benzene	ND		110	830
Bromoform	ND		530	830
Bromomethane	ND		340	830
2-Butanone (MEK)	ND	*	470	8300
Carbon disulfide	ND		110	830
Carbon tetrachloride	ND		110	830
Chlorobenzene	ND		120	830
Chlorodibromomethane	ND	*	150	830
Chloroethane	ND		240	830
Chloroform	ND		130	830
Chloromethane	ND		250	830
cis-1,2-Dichloroethene	880		140	830
cis-1,3-Dichloropropene	ND	*	120	830
1,2-Dibromo-3-Chloropropane	ND		560	1700
1,2-Dichlorobenzene	ND		110	830
1,3-Dichlorobenzene	ND		120	830
1,4-Dichlorobenzene	ND		110	830
Dichlorobromomethane	ND	*	120	830
Dichlorodifluoromethane	ND		260	830
1,1-Dichloroethane	ND		120	830
1,2-Dichloroethane	ND		180	830
1,1-Dichloroethene	ND		160	830
1,2-Dichloropropane	ND		150	830
Ethylbenzene	ND		140	830
Ethylene Dibromide	ND	*	200	830
2-Hexanone	ND		340	8300
Isopropylbenzene	ND		110	830
Methylene Chloride	ND		270	830
4-Methyl-2-pentanone (MIBK)	ND	*	270	8300
Methyl tert-butyl ether	ND		140	830
Styrene	ND		92	830
1,1,2,2-Tetrachloroethane	ND		150	830
Tetrachloroethene	ND		240	830
Toluene	ND		110	830
trans-1,2-Dichloroethene	ND		160	830
trans-1,3-Dichloropropene	ND	*	160	830
1,2,4-Trichlorobenzene	ND		120	830
1,1,1-Trichloroethane	ND		180	830
1,1,2-Trichloroethane	ND		220	830
Trichloroethene	41000		140	830
Trichlorofluoromethane	ND		170	830
Vinyl chloride	ND		180	830
Xylenes, Total	ND		120	1700

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1474.D
Dilution:	833.33			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1407			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1407				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	86		66 - 117
Dibromofluoromethane (Surr)	97		75 - 121
1,2-Dichloroethane-d4 (Surr)	93		63 - 129
Toluene-d8 (Surr)	92		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1474.D
Dilution:	833.33			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1407			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1407				

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

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1475.D
Dilution:	1.67			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1429			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1429				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND	*	1.8	17
Benzene	ND		0.22	1.7
Bromoform	ND		1.1	1.7
Bromomethane	ND		0.68	1.7
2-Butanone (MEK)	ND	*	0.95	17
Carbon disulfide	1.8		0.22	1.7
Carbon tetrachloride	ND		0.22	1.7
Chlorobenzene	ND		0.25	1.7
Chlorodibromomethane	ND	*	0.30	1.7
Chloroethane	ND		0.48	1.7
Chloroform	2.3		0.27	1.7
Chloromethane	ND		0.50	1.7
cis-1,2-Dichloroethene	14		0.28	1.7
cis-1,3-Dichloropropene	ND	*	0.23	1.7
1,2-Dibromo-3-Chloropropane	ND		1.1	3.3
1,2-Dichlorobenzene	ND		0.22	1.7
1,3-Dichlorobenzene	ND		0.23	1.7
1,4-Dichlorobenzene	ND		0.22	1.7
Dichlorobromomethane	ND	*	0.25	1.7
Dichlorodifluoromethane	ND		0.52	1.7
1,1-Dichloroethane	23		0.25	1.7
1,2-Dichloroethane	ND		0.37	1.7
1,1-Dichloroethene	3.1		0.32	1.7
1,2-Dichloropropane	ND		0.30	1.7
Ethylbenzene	ND		0.28	1.7
Ethylene Dibromide	ND	*	0.40	1.7
2-Hexanone	ND		0.68	17
Isopropylbenzene	ND		0.22	1.7
Methylene Chloride	ND		0.55	1.7
4-Methyl-2-pentanone (MIBK)	ND	*	0.53	17
Methyl tert-butyl ether	ND		0.28	1.7
Styrene	ND		0.18	1.7
1,1,2,2-Tetrachloroethane	ND		0.30	1.7
Tetrachloroethene	ND		0.48	1.7
Toluene	ND		0.22	1.7
trans-1,2-Dichloroethene	0.45	J	0.32	1.7
trans-1,3-Dichloropropene	ND	*	0.32	1.7
1,2,4-Trichlorobenzene	ND		0.25	1.7
1,1,1-Trichloroethane	3.3		0.37	1.7
1,1,2-Trichloroethane	ND		0.45	1.7
Trichloroethene	59		0.28	1.7
Trichlorofluoromethane	ND		0.35	1.7
Vinyl chloride	2.8		0.37	1.7
Xylenes, Total	ND		0.23	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1475.D
Dilution:	1.67			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1429			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1429				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	83		66 - 117
Dibromofluoromethane (Surr)	92		75 - 121
1,2-Dichloroethane-d4 (Surr)	87		63 - 129
Toluene-d8 (Surr)	90		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1475.D
Dilution:	1.67			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1429			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1429				

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

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1476.D
Dilution:	5.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1451			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1451				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	J B *	5.5	50
Benzene	ND		0.65	5.0
Bromoform	ND		3.2	5.0
Bromomethane	ND		2.1	5.0
2-Butanone (MEK)	ND	*	2.9	50
Carbon disulfide	ND		0.65	5.0
Carbon tetrachloride	ND		0.65	5.0
Chlorobenzene	ND		0.75	5.0
Chlorodibromomethane	ND	*	0.90	5.0
Chloroethane	ND		1.5	5.0
Chloroform	ND		0.80	5.0
Chloromethane	ND		1.5	5.0
cis-1,2-Dichloroethene	63		0.85	5.0
cis-1,3-Dichloropropene	ND	*	0.70	5.0
1,2-Dibromo-3-Chloropropane	ND		3.4	10
1,2-Dichlorobenzene	ND		0.65	5.0
1,3-Dichlorobenzene	ND		0.70	5.0
1,4-Dichlorobenzene	ND		0.65	5.0
Dichlorobromomethane	ND	*	0.75	5.0
Dichlorodifluoromethane	ND		1.6	5.0
1,1-Dichloroethane	ND		0.75	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,1-Dichloroethene	ND		0.95	5.0
1,2-Dichloropropane	ND		0.90	5.0
Ethylbenzene	ND		0.85	5.0
Ethylene Dibromide	ND	*	1.2	5.0
2-Hexanone	ND		2.1	50
Isopropylbenzene	ND		0.65	5.0
Methylene Chloride	ND		1.7	5.0
4-Methyl-2-pentanone (MIBK)	ND	*	1.6	50
Methyl tert-butyl ether	ND		0.85	5.0
Styrene	ND		0.55	5.0
1,1,2,2-Tetrachloroethane	ND		0.90	5.0
Tetrachloroethene	ND		1.5	5.0
Toluene	ND		0.65	5.0
trans-1,2-Dichloroethene	2.6	J	0.95	5.0
trans-1,3-Dichloropropene	ND	*	0.95	5.0
1,2,4-Trichlorobenzene	ND		0.75	5.0
1,1,1-Trichloroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		1.4	5.0
Trichloroethene	230		0.85	5.0
Trichlorofluoromethane	ND		1.1	5.0
Vinyl chloride	2.7	J	1.1	5.0
Xylenes, Total	ND		0.70	10

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1476.D
Dilution:	5.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1451			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1451				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		66 - 117
Dibromofluoromethane (Surr)	102		75 - 121
1,2-Dichloroethane-d4 (Surr)	97		63 - 129
Toluene-d8 (Surr)	97		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1476.D
Dilution:	5.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1451			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1451				

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

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1477.D
Dilution:	8.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1514			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1514				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND	*	8.8	80
Benzene	ND		1.0	8.0
Bromoform	ND		5.1	8.0
Bromomethane	ND		3.3	8.0
2-Butanone (MEK)	ND	*	4.6	80
Carbon disulfide	39		1.0	8.0
Carbon tetrachloride	ND		1.0	8.0
Chlorobenzene	ND		1.2	8.0
Chlorodibromomethane	ND	*	1.4	8.0
Chloroethane	ND		2.3	8.0
Chloroform	ND		1.3	8.0
Chloromethane	ND		2.4	8.0
cis-1,2-Dichloroethene	340		1.4	8.0
cis-1,3-Dichloropropene	ND	*	1.1	8.0
1,2-Dibromo-3-Chloropropane	ND		5.4	16
1,2-Dichlorobenzene	ND		1.0	8.0
1,3-Dichlorobenzene	ND		1.1	8.0
1,4-Dichlorobenzene	ND		1.0	8.0
Dichlorobromomethane	ND	*	1.2	8.0
Dichlorodifluoromethane	ND		2.5	8.0
1,1-Dichloroethane	230		1.2	8.0
1,2-Dichloroethane	ND		1.8	8.0
1,1-Dichloroethene	20		1.5	8.0
1,2-Dichloropropane	ND		1.4	8.0
Ethylbenzene	ND		1.4	8.0
Ethylene Dibromide	ND	*	1.9	8.0
2-Hexanone	ND		3.3	80
Isopropylbenzene	ND		1.0	8.0
Methylene Chloride	ND		2.6	8.0
4-Methyl-2-pentanone (MIBK)	ND	*	2.6	80
Methyl tert-butyl ether	ND		1.4	8.0
Styrene	ND		0.88	8.0
1,1,2,2-Tetrachloroethane	ND		1.4	8.0
Tetrachloroethene	ND		2.3	8.0
Toluene	5.5	J	1.0	8.0
trans-1,2-Dichloroethene	4.9	J	1.5	8.0
trans-1,3-Dichloropropene	ND	*	1.5	8.0
1,2,4-Trichlorobenzene	ND		1.2	8.0
1,1,1-Trichloroethane	70		1.8	8.0
1,1,2-Trichloroethane	ND		2.2	8.0
Trichloroethene	11		1.4	8.0
Trichlorofluoromethane	ND		1.7	8.0
Vinyl chloride	34		1.8	8.0
Xylenes, Total	ND		1.1	16

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1477.D
Dilution:	8.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1514			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1514				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	85		66 - 117
Dibromofluoromethane (Surr)	102		75 - 121
1,2-Dichloroethane-d4 (Surr)	96		63 - 129
Toluene-d8 (Surr)	91		74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1477.D
Dilution:	8.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1514			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1514				

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

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109030.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/09/2013 1917			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.23	4.8
2,4,5-Trichlorophenol	ND		0.29	4.8
2,4-Dichlorophenol	ND		0.18	1.9
2,4-Dimethylphenol	ND		0.24	1.9
2,4-Dinitrophenol	ND		0.30	4.8
2,4-Dinitrotoluene	ND		0.24	4.8
2-Chlorophenol	ND		0.28	0.95
2-Methylnaphthalene	2.4		0.086	0.19
2-Methylphenol	1.7		0.16	0.95
2-Nitroaniline	ND		0.20	1.9
2-Nitrophenol	ND		0.27	1.9
3 & 4 Methylphenol	ND		0.76	1.9
3,3'-Dichlorobenzidine	ND		0.35	4.8
3-Nitroaniline	ND		0.27	1.9
4,6-Dinitro-2-methylphenol	ND		2.3	4.8
4-Bromophenyl phenyl ether	ND		0.21	1.9
4-Chloro-3-methylphenol	ND		0.20	1.9
4-Chloroaniline	ND		0.20	1.9
4-Chlorophenyl phenyl ether	ND		0.29	1.9
4-Nitroaniline	ND		0.21	1.9
Acenaphthene	ND		0.042	0.19
Acenaphthylene	ND		0.046	0.19
Acetophenone	ND		0.32	0.95
Anthracene	ND		0.084	0.19
Benzo[a]anthracene	ND		0.028	0.19
Benzo[a]pyrene	ND		0.049	0.19
Benzo[b]fluoranthene	ND		0.038	0.19
Benzo[g,h,i]perylene	ND		0.044	0.19
Benzo[k]fluoranthene	ND		0.043	0.19
Bis(2-chloroethoxy)methane	ND		0.30	0.95
Bis(2-chloroethyl)ether	ND		0.095	0.95
Bis(2-ethylhexyl) phthalate	0.42	J B	0.21	1.9
Butyl benzyl phthalate	ND		0.25	1.9
Carbazole	ND		0.27	0.95
Chrysene	ND		0.048	0.19
Di-n-butyl phthalate	1.0	J	0.64	1.9
Di-n-octyl phthalate	ND		0.22	1.9
Dibenz(a,h)anthracene	ND		0.042	0.19
Dibenzofuran	ND		0.019	0.95
Diethyl phthalate	ND		0.57	1.9
Dimethyl phthalate	ND		0.28	1.9
Fluoranthene	ND		0.042	0.19
Fluorene	ND		0.039	0.19
Hexachlorobenzene	ND		0.081	0.19
Hexachlorobutadiene	ND		0.26	0.95
Hexachlorocyclopentadiene	ND		0.23	9.5

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109030.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/09/2013 1917			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.18	0.95
Indeno[1,2,3-cd]pyrene	ND		0.041	0.19
Isophorone	ND		0.26	0.95
N-Nitrosodi-n-propylamine	ND		0.23	0.95
N-Nitrosodiphenylamine	ND		0.30	0.95
Naphthalene	15		0.060	0.19
Nitrobenzene	ND		0.038	0.95
Pentachlorophenol	ND		0.26	4.8
Phenanthrene	ND		0.059	0.19
Phenol	ND		0.57	0.95
Pyrene	ND		0.040	0.19
bis (2-chloroisopropyl) ether	ND		0.38	0.95
2,6-Dinitrotoluene	ND		0.76	4.8
4-Nitrophenol	ND		0.28	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	43		24 - 110
Phenol-d5 (Surr)	70		21 - 110
Nitrobenzene-d5 (Surr)	65		21 - 110
2-Fluorophenol (Surr)	66		10 - 110
2-Fluorobiphenyl (Surr)	57		20 - 110
2,4,6-Tribromophenol (Surr)	74		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109032.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	11/09/2013 2000			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.23	4.8
2,4,5-Trichlorophenol	ND		0.29	4.8
2,4-Dichlorophenol	ND		0.18	1.9
2,4-Dimethylphenol	ND		0.24	1.9
2,4-Dinitrophenol	ND		0.31	4.8
2,4-Dinitrotoluene	ND		0.24	4.8
2-Chlorophenol	ND		0.28	0.96
2-Methylnaphthalene	ND		0.087	0.19
2-Methylphenol	ND		0.16	0.96
2-Nitroaniline	ND		0.20	1.9
2-Nitrophenol	ND		0.27	1.9
3 & 4 Methylphenol	ND		0.77	1.9
3,3'-Dichlorobenzidine	ND		0.36	4.8
3-Nitroaniline	ND		0.27	1.9
4,6-Dinitro-2-methylphenol	ND		2.3	4.8
4-Bromophenyl phenyl ether	ND		0.21	1.9
4-Chloro-3-methylphenol	ND		0.20	1.9
4-Chloroaniline	ND		0.20	1.9
4-Chlorophenyl phenyl ether	ND		0.29	1.9
4-Nitroaniline	ND		0.21	1.9
Acenaphthene	ND		0.043	0.19
Acenaphthylene	ND		0.046	0.19
Acetophenone	ND		0.33	0.96
Anthracene	ND		0.085	0.19
Benzo[a]anthracene	ND		0.028	0.19
Benzo[a]pyrene	ND		0.049	0.19
Benzo[b]fluoranthene	ND		0.038	0.19
Benzo[g,h,i]perylene	ND		0.045	0.19
Benzo[k]fluoranthene	ND		0.043	0.19
Bis(2-chloroethoxy)methane	ND		0.31	0.96
Bis(2-chloroethyl)ether	ND		0.096	0.96
Bis(2-ethylhexyl) phthalate	0.38	J B	0.21	1.9
Butyl benzyl phthalate	ND		0.25	1.9
Carbazole	ND		0.27	0.96
Chrysene	ND		0.048	0.19
Di-n-butyl phthalate	0.74	J	0.64	1.9
Di-n-octyl phthalate	ND		0.22	1.9
Dibenz(a,h)anthracene	ND		0.043	0.19
Dibenzofuran	ND		0.019	0.96
Diethyl phthalate	ND		0.58	1.9
Dimethyl phthalate	ND		0.28	1.9
Fluoranthene	ND		0.043	0.19
Fluorene	ND		0.039	0.19
Hexachlorobenzene	ND		0.082	0.19
Hexachlorobutadiene	ND		0.26	0.96
Hexachlorocyclopentadiene	ND		0.23	9.6

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109032.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	11/09/2013 2000			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.18	0.96
Indeno[1,2,3-cd]pyrene	ND		0.042	0.19
Isophorone	ND		0.26	0.96
N-Nitrosodi-n-propylamine	ND		0.23	0.96
N-Nitrosodiphenylamine	ND		0.30	0.96
Naphthalene	ND		0.060	0.19
Nitrobenzene	ND		0.038	0.96
Pentachlorophenol	ND		0.26	4.8
Phenanthrene	ND		0.060	0.19
Phenol	ND		0.58	0.96
Pyrene	ND		0.040	0.19
bis (2-chloroisopropyl) ether	ND		0.38	0.96
2,6-Dinitrotoluene	ND		0.77	4.8
4-Nitrophenol	ND		0.28	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	72		24 - 110
Phenol-d5 (Surr)	69		21 - 110
Nitrobenzene-d5 (Surr)	65		21 - 110
2-Fluorophenol (Surr)	66		10 - 110
2-Fluorobiphenyl (Surr)	63		20 - 110
2,4,6-Tribromophenol (Surr)	76		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109033.D
Dilution:	4.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/09/2013 2022			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.91	19
2,4,5-Trichlorophenol	ND		1.1	19
2,4-Dichlorophenol	ND		0.72	7.6
2,4-Dimethylphenol	ND		0.95	7.6
2,4-Dinitrophenol	ND		1.2	19
2,4-Dinitrotoluene	ND		0.95	19
2-Chlorophenol	ND		1.1	3.8
2-Methylnaphthalene	ND		0.34	0.76
2-Methylphenol	ND		0.65	3.8
2-Nitroaniline	ND		0.80	7.6
2-Nitrophenol	ND		1.1	7.6
3 & 4 Methylphenol	ND		3.0	7.6
3,3'-Dichlorobenzidine	ND		1.4	19
3-Nitroaniline	ND		1.1	7.6
4,6-Dinitro-2-methylphenol	ND		9.1	19
4-Bromophenyl phenyl ether	ND		0.84	7.6
4-Chloro-3-methylphenol	ND		0.80	7.6
4-Chloroaniline	ND		0.80	7.6
4-Chlorophenyl phenyl ether	ND		1.1	7.6
4-Nitroaniline	ND		0.84	7.6
Acenaphthene	ND		0.17	0.76
Acenaphthylene	ND		0.18	0.76
Acetophenone	ND		1.3	3.8
Anthracene	ND		0.33	0.76
Benzo[a]anthracene	ND		0.11	0.76
Benzo[a]pyrene	ND		0.20	0.76
Benzo[b]fluoranthene	ND		0.15	0.76
Benzo[g,h,i]perylene	ND		0.18	0.76
Benzo[k]fluoranthene	ND		0.17	0.76
Bis(2-chloroethoxy)methane	ND		1.2	3.8
Bis(2-chloroethyl)ether	ND		0.38	3.8
Bis(2-ethylhexyl) phthalate	ND		0.84	7.6
Butyl benzyl phthalate	ND		0.99	7.6
Carbazole	ND		1.1	3.8
Chrysene	ND		0.19	0.76
Di-n-butyl phthalate	ND		2.6	7.6
Di-n-octyl phthalate	ND		0.88	7.6
Dibenz(a,h)anthracene	ND		0.17	0.76
Dibenzofuran	ND		0.076	3.8
Diethyl phthalate	ND		2.3	7.6
Dimethyl phthalate	ND		1.1	7.6
Fluoranthene	ND		0.17	0.76
Fluorene	ND		0.15	0.76
Hexachlorobenzene	ND		0.32	0.76
Hexachlorobutadiene	ND		1.0	3.8
Hexachlorocyclopentadiene	ND		0.91	38

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109033.D
Dilution:	4.0			Initial Weight/Volume:	1050 mL
Analysis Date:	11/09/2013 2022			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.72	3.8
Indeno[1,2,3-cd]pyrene	ND		0.16	0.76
Isophorone	ND		1.0	3.8
N-Nitrosodi-n-propylamine	ND		0.91	3.8
N-Nitrosodiphenylamine	ND		1.2	3.8
Naphthalene	ND		0.24	0.76
Nitrobenzene	ND		0.15	3.8
Pentachlorophenol	ND		1.0	19
Phenanthrene	ND		0.24	0.76
Phenol	ND		2.3	3.8
Pyrene	ND		0.16	0.76
bis (2-chloroisopropyl) ether	ND		1.5	3.8
2,6-Dinitrotoluene	ND		3.0	19
4-Nitrophenol	ND		1.1	19

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	62		24 - 110
Phenol-d5 (Surr)	73		21 - 110
Nitrobenzene-d5 (Surr)	69		21 - 110
2-Fluorophenol (Surr)	68		10 - 110
2-Fluorobiphenyl (Surr)	65		20 - 110
2,4,6-Tribromophenol (Surr)	77		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031026.D
Dilution:	5.0			Initial Weight/Volume:	1020 mL
Analysis Date:	10/31/2013 2109			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		1.2	25
2,4,5-Trichlorophenol	ND		1.5	25
2,4-Dichlorophenol	ND		0.93	9.8
2,4-Dimethylphenol	ND		1.2	9.8
2,4-Dinitrophenol	ND		1.6	25
2,4-Dinitrotoluene	ND		1.2	25
2-Chlorophenol	ND		1.4	4.9
2-Methylnaphthalene	ND		0.44	0.98
2-Methylphenol	ND		0.83	4.9
2-Nitroaniline	ND		1.0	9.8
2-Nitrophenol	ND		1.4	9.8
3 & 4 Methylphenol	ND		3.9	9.8
3,3'-Dichlorobenzidine	ND		1.8	25
3-Nitroaniline	ND		1.4	9.8
4,6-Dinitro-2-methylphenol	ND		12	25
4-Bromophenyl phenyl ether	ND		1.1	9.8
4-Chloro-3-methylphenol	13		1.0	9.8
4-Chloroaniline	ND		1.0	9.8
4-Chlorophenyl phenyl ether	ND		1.5	9.8
4-Nitroaniline	ND		1.1	9.8
Acenaphthene	ND		0.22	0.98
Acenaphthylene	ND		0.24	0.98
Acetophenone	ND		1.7	4.9
Anthracene	ND		0.43	0.98
Benzo[a]anthracene	ND		0.14	0.98
Benzo[a]pyrene	ND		0.25	0.98
Benzo[b]fluoranthene	ND		0.19	0.98
Benzo[g,h,i]perylene	ND		0.23	0.98
Benzo[k]fluoranthene	ND		0.22	0.98
Bis(2-chloroethoxy)methane	ND		1.6	4.9
Bis(2-chloroethyl)ether	ND		0.49	4.9
Bis(2-ethylhexyl) phthalate	ND		1.1	9.8
Butyl benzyl phthalate	ND		1.3	9.8
Carbazole	1.6	J	1.4	4.9
Chrysene	ND		0.25	0.98
Di-n-butyl phthalate	ND		3.3	9.8
Di-n-octyl phthalate	ND		1.1	9.8
Dibenz(a,h)anthracene	ND		0.22	0.98
Dibenzofuran	ND		0.098	4.9
Diethyl phthalate	ND		2.9	9.8
Dimethyl phthalate	ND		1.4	9.8
Fluoranthene	ND		0.22	0.98
Fluorene	0.71	J	0.20	0.98
Hexachlorobenzene	ND		0.42	0.98
Hexachlorobutadiene	ND		1.3	4.9
Hexachlorocyclopentadiene	ND		1.2	49

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031026.D
Dilution:	5.0			Initial Weight/Volume:	1020 mL
Analysis Date:	10/31/2013 2109			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.93	4.9
Indeno[1,2,3-cd]pyrene	ND		0.21	0.98
Isophorone	ND		1.3	4.9
N-Nitrosodi-n-propylamine	ND		1.2	4.9
N-Nitrosodiphenylamine	ND		1.5	4.9
Naphthalene	ND		0.31	0.98
Nitrobenzene	ND		0.20	4.9
Pentachlorophenol	ND		1.3	25
Phenanthrene	0.40	J	0.30	0.98
Phenol	ND		2.9	4.9
Pyrene	ND		0.21	0.98
bis (2-chloroisopropyl) ether	ND		2.0	4.9
2,6-Dinitrotoluene	ND		3.9	25
4-Nitrophenol	ND		1.4	25

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	46		24 - 110
Phenol-d5 (Surr)	74		21 - 110
Nitrobenzene-d5 (Surr)	66		21 - 110
2-Fluorophenol (Surr)	68		10 - 110
2-Fluorobiphenyl (Surr)	72		20 - 110
2,4,6-Tribromophenol (Surr)	85		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031024.D
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	10/31/2013 2018			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.25	5.2
2,4,5-Trichlorophenol	ND		0.31	5.2
2,4-Dichlorophenol	ND		0.20	2.1
2,4-Dimethylphenol	ND		0.26	2.1
2,4-Dinitrophenol	ND		0.33	5.2
2,4-Dinitrotoluene	ND		0.26	5.2
2-Chlorophenol	ND		0.30	1.0
2-Methylnaphthalene	ND		0.093	0.21
2-Methylphenol	ND		0.18	1.0
2-Nitroaniline	ND		0.22	2.1
2-Nitrophenol	ND		0.29	2.1
3 & 4 Methylphenol	ND		0.82	2.1
3,3'-Dichlorobenzidine	ND		0.38	5.2
3-Nitroaniline	ND		0.29	2.1
4,6-Dinitro-2-methylphenol	ND		2.5	5.2
4-Bromophenyl phenyl ether	ND		0.23	2.1
4-Chloro-3-methylphenol	ND		0.22	2.1
4-Chloroaniline	ND		0.22	2.1
4-Chlorophenyl phenyl ether	ND		0.31	2.1
4-Nitroaniline	ND		0.23	2.1
Acenaphthene	ND		0.046	0.21
Acenaphthylene	ND		0.050	0.21
Acetophenone	ND		0.35	1.0
Anthracene	ND		0.091	0.21
Benzo[a]anthracene	ND		0.030	0.21
Benzo[a]pyrene	ND		0.053	0.21
Benzo[b]fluoranthene	ND		0.041	0.21
Benzo[g,h,i]perylene	ND		0.048	0.21
Benzo[k]fluoranthene	ND		0.046	0.21
Bis(2-chloroethoxy)methane	ND		0.33	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.23	2.1
Butyl benzyl phthalate	ND		0.27	2.1
Carbazole	0.46	J	0.29	1.0
Chrysene	ND		0.052	0.21
Di-n-butyl phthalate	0.82	J	0.69	2.1
Di-n-octyl phthalate	ND		0.24	2.1
Dibenz(a,h)anthracene	ND		0.046	0.21
Dibenzofuran	ND		0.021	1.0
Diethyl phthalate	ND		0.62	2.1
Dimethyl phthalate	ND		0.30	2.1
Fluoranthene	ND		0.046	0.21
Fluorene	ND		0.042	0.21
Hexachlorobenzene	ND		0.088	0.21
Hexachlorobutadiene	ND		0.28	1.0
Hexachlorocyclopentadiene	ND		0.25	10

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031024.D
Dilution:	1.0			Initial Weight/Volume:	970 mL
Analysis Date:	10/31/2013 2018			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.20	1.0
Indeno[1,2,3-cd]pyrene	ND		0.045	0.21
Isophorone	ND		0.28	1.0
N-Nitrosodi-n-propylamine	ND		0.25	1.0
N-Nitrosodiphenylamine	ND		0.32	1.0
Naphthalene	ND		0.065	0.21
Nitrobenzene	ND		0.041	1.0
Pentachlorophenol	ND		0.28	5.2
Phenanthrene	ND		0.064	0.21
Phenol	ND		0.62	1.0
Pyrene	ND		0.043	0.21
bis (2-chloroisopropyl) ether	ND		0.41	1.0
2,6-Dinitrotoluene	ND		0.82	5.2
4-Nitrophenol	ND		0.30	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	86		24 - 110
Phenol-d5 (Surr)	71		21 - 110
Nitrobenzene-d5 (Surr)	69		21 - 110
2-Fluorophenol (Surr)	67		10 - 110
2-Fluorobiphenyl (Surr)	69		20 - 110
2,4,6-Tribromophenol (Surr)	90		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031023.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/31/2013 1952			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.23	4.8
2,4,5-Trichlorophenol	ND		0.29	4.8
2,4-Dichlorophenol	ND		0.18	1.9
2,4-Dimethylphenol	ND		0.24	1.9
2,4-Dinitrophenol	ND		0.31	4.8
2,4-Dinitrotoluene	ND		0.24	4.8
2-Chlorophenol	ND		0.28	0.96
2-Methylnaphthalene	ND		0.087	0.19
2-Methylphenol	ND		0.16	0.96
2-Nitroaniline	ND		0.20	1.9
2-Nitrophenol	ND		0.27	1.9
3 & 4 Methylphenol	ND		0.77	1.9
3,3'-Dichlorobenzidine	ND		0.36	4.8
3-Nitroaniline	ND		0.27	1.9
4,6-Dinitro-2-methylphenol	ND		2.3	4.8
4-Bromophenyl phenyl ether	ND		0.21	1.9
4-Chloro-3-methylphenol	ND		0.20	1.9
4-Chloroaniline	ND		0.20	1.9
4-Chlorophenyl phenyl ether	ND		0.29	1.9
4-Nitroaniline	ND		0.21	1.9
Acenaphthene	ND		0.043	0.19
Acenaphthylene	ND		0.046	0.19
Acetophenone	ND		0.33	0.96
Anthracene	ND		0.085	0.19
Benzo[a]anthracene	ND		0.028	0.19
Benzo[a]pyrene	ND		0.049	0.19
Benzo[b]fluoranthene	ND		0.038	0.19
Benzo[g,h,i]perylene	ND		0.045	0.19
Benzo[k]fluoranthene	ND		0.043	0.19
Bis(2-chloroethoxy)methane	ND		0.31	0.96
Bis(2-chloroethyl)ether	ND		0.096	0.96
Bis(2-ethylhexyl) phthalate	ND		0.21	1.9
Butyl benzyl phthalate	ND		0.25	1.9
Carbazole	ND		0.27	0.96
Chrysene	ND		0.048	0.19
Di-n-butyl phthalate	ND		0.64	1.9
Di-n-octyl phthalate	ND		0.22	1.9
Dibenz(a,h)anthracene	ND		0.043	0.19
Dibenzofuran	ND		0.019	0.96
Diethyl phthalate	ND		0.58	1.9
Dimethyl phthalate	ND		0.28	1.9
Fluoranthene	ND		0.043	0.19
Fluorene	ND		0.039	0.19
Hexachlorobenzene	ND		0.082	0.19
Hexachlorobutadiene	ND		0.26	0.96
Hexachlorocyclopentadiene	ND		0.23	9.6

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031023.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	10/31/2013 1952			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.18	0.96
Indeno[1,2,3-cd]pyrene	ND		0.042	0.19
Isophorone	ND		0.26	0.96
N-Nitrosodi-n-propylamine	ND		0.23	0.96
N-Nitrosodiphenylamine	ND		0.30	0.96
Naphthalene	0.12	J	0.060	0.19
Nitrobenzene	ND		0.038	0.96
Pentachlorophenol	ND		0.26	4.8
Phenanthrene	ND		0.060	0.19
Phenol	ND		0.58	0.96
Pyrene	ND		0.040	0.19
bis (2-chloroisopropyl) ether	ND		0.38	0.96
2,6-Dinitrotoluene	ND		0.77	4.8
4-Nitrophenol	ND		0.28	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	90		24 - 110
Phenol-d5 (Surr)	75		21 - 110
Nitrobenzene-d5 (Surr)	72		21 - 110
2-Fluorophenol (Surr)	72		10 - 110
2-Fluorobiphenyl (Surr)	73		20 - 110
2,4,6-Tribromophenol (Surr)	76		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031025.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	10/31/2013 2044			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.23	4.9
2,4,5-Trichlorophenol	ND		0.29	4.9
2,4-Dichlorophenol	ND		0.18	1.9
2,4-Dimethylphenol	ND		0.24	1.9
2,4-Dinitrophenol	ND		0.31	4.9
2,4-Dinitrotoluene	ND		0.24	4.9
2-Chlorophenol	ND		0.28	0.97
2-Methylnaphthalene	ND		0.088	0.19
2-Methylphenol	ND		0.17	0.97
2-Nitroaniline	ND		0.20	1.9
2-Nitrophenol	ND		0.27	1.9
3 & 4 Methylphenol	ND		0.78	1.9
3,3'-Dichlorobenzidine	ND		0.36	4.9
3-Nitroaniline	ND		0.27	1.9
4,6-Dinitro-2-methylphenol	ND		2.3	4.9
4-Bromophenyl phenyl ether	ND		0.21	1.9
4-Chloro-3-methylphenol	ND		0.20	1.9
4-Chloroaniline	ND		0.20	1.9
4-Chlorophenyl phenyl ether	ND		0.29	1.9
4-Nitroaniline	ND		0.21	1.9
Acenaphthene	ND		0.043	0.19
Acenaphthylene	ND		0.047	0.19
Acetophenone	ND		0.33	0.97
Anthracene	0.57		0.085	0.19
Benzo[a]anthracene	ND		0.029	0.19
Benzo[a]pyrene	ND		0.050	0.19
Benzo[b]fluoranthene	ND		0.038	0.19
Benzo[g,h,i]perylene	ND		0.045	0.19
Benzo[k]fluoranthene	ND		0.043	0.19
Bis(2-chloroethoxy)methane	ND		0.31	0.97
Bis(2-chloroethyl)ether	ND		0.097	0.97
Bis(2-ethylhexyl) phthalate	ND		0.21	1.9
Butyl benzyl phthalate	ND		0.25	1.9
Carbazole	ND		0.27	0.97
Chrysene	ND		0.049	0.19
Di-n-butyl phthalate	0.98	J	0.65	1.9
Di-n-octyl phthalate	ND		0.22	1.9
Dibenz(a,h)anthracene	ND		0.043	0.19
Dibenzofuran	ND		0.019	0.97
Diethyl phthalate	ND		0.58	1.9
Dimethyl phthalate	ND		0.28	1.9
Fluoranthene	ND		0.043	0.19
Fluorene	ND		0.039	0.19
Hexachlorobenzene	ND		0.083	0.19
Hexachlorobutadiene	ND		0.26	0.97
Hexachlorocyclopentadiene	ND		0.23	9.7

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107492	Lab File ID:	31031025.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	10/31/2013 2044			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.18	0.97
Indeno[1,2,3-cd]pyrene	ND		0.042	0.19
Isophorone	ND		0.26	0.97
N-Nitrosodi-n-propylamine	ND		0.23	0.97
N-Nitrosodiphenylamine	ND		0.30	0.97
Naphthalene	ND		0.061	0.19
Nitrobenzene	ND		0.039	0.97
Pentachlorophenol	ND		0.26	4.9
Phenanthrene	ND		0.060	0.19
Phenol	ND		0.58	0.97
Pyrene	ND		0.041	0.19
bis (2-chloroisopropyl) ether	ND		0.39	0.97
2,6-Dinitrotoluene	ND		0.78	4.9
4-Nitrophenol	ND		0.28	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	79		24 - 110
Phenol-d5 (Surr)	72		21 - 110
Nitrobenzene-d5 (Surr)	71		21 - 110
2-Fluorophenol (Surr)	66		10 - 110
2-Fluorobiphenyl (Surr)	70		20 - 110
2,4,6-Tribromophenol (Surr)	82		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107842	Lab File ID:	31104019.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	11/04/2013 1734			Final Weight/Volume:	2.0 mL
Prep Date:	10/31/2013 0822			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.23	4.9
2,4,5-Trichlorophenol	ND		0.29	4.9
2,4-Dichlorophenol	ND		0.18	1.9
2,4-Dimethylphenol	ND		0.24	1.9
2,4-Dinitrophenol	ND		0.31	4.9
2,4-Dinitrotoluene	ND		0.24	4.9
2-Chlorophenol	ND		0.28	0.97
2-Methylnaphthalene	ND		0.088	0.19
2-Methylphenol	ND		0.17	0.97
2-Nitroaniline	ND		0.20	1.9
2-Nitrophenol	ND		0.27	1.9
3 & 4 Methylphenol	ND		0.78	1.9
3,3'-Dichlorobenzidine	ND		0.36	4.9
3-Nitroaniline	ND		0.27	1.9
4,6-Dinitro-2-methylphenol	ND		2.3	4.9
4-Bromophenyl phenyl ether	ND		0.21	1.9
4-Chloro-3-methylphenol	ND		0.20	1.9
4-Chloroaniline	ND		0.20	1.9
4-Chlorophenyl phenyl ether	ND		0.29	1.9
4-Nitroaniline	ND		0.21	1.9
Acenaphthene	ND		0.043	0.19
Acenaphthylene	ND		0.047	0.19
Acetophenone	ND		0.33	0.97
Anthracene	ND		0.085	0.19
Benzo[a]anthracene	ND		0.029	0.19
Benzo[a]pyrene	ND		0.050	0.19
Benzo[b]fluoranthene	ND		0.038	0.19
Benzo[g,h,i]perylene	ND		0.045	0.19
Benzo[k]fluoranthene	ND		0.043	0.19
Bis(2-chloroethoxy)methane	ND		0.31	0.97
Bis(2-chloroethyl)ether	ND		0.097	0.97
Bis(2-ethylhexyl) phthalate	0.31	J B	0.21	1.9
Butyl benzyl phthalate	ND		0.25	1.9
Carbazole	ND		0.27	0.97
Chrysene	ND		0.049	0.19
Di-n-butyl phthalate	ND		0.65	1.9
Di-n-octyl phthalate	ND		0.22	1.9
Dibenz(a,h)anthracene	ND		0.043	0.19
Dibenzofuran	ND		0.019	0.97
Diethyl phthalate	ND		0.58	1.9
Dimethyl phthalate	ND		0.28	1.9
Fluoranthene	ND		0.043	0.19
Fluorene	ND		0.039	0.19
Hexachlorobenzene	ND		0.083	0.19
Hexachlorobutadiene	ND		0.26	0.97
Hexachlorocyclopentadiene	ND		0.23	9.7

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Prep Method:	3520C	Prep Batch:	240-107842	Lab File ID:	31104019.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	11/04/2013 1734			Final Weight/Volume:	2.0 mL
Prep Date:	10/31/2013 0822			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.18	0.97
Indeno[1,2,3-cd]pyrene	ND		0.042	0.19
Isophorone	ND		0.26	0.97
N-Nitrosodi-n-propylamine	ND		0.23	0.97
N-Nitrosodiphenylamine	ND		0.30	0.97
Naphthalene	ND		0.061	0.19
Nitrobenzene	ND		0.039	0.97
Pentachlorophenol	ND		0.26	4.9
Phenanthrene	ND		0.060	0.19
Phenol	ND		0.58	0.97
Pyrene	ND		0.041	0.19
bis (2-chloroisopropyl) ether	ND		0.39	0.97
2,6-Dinitrotoluene	ND		0.78	4.9
4-Nitrophenol	ND		0.28	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	71		24 - 110
Phenol-d5 (Surr)	64		21 - 110
Nitrobenzene-d5 (Surr)	63		21 - 110
2-Fluorophenol (Surr)	63		10 - 110
2-Fluorobiphenyl (Surr)	63		20 - 110
2,4,6-Tribromophenol (Surr)	74		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109034.D
Dilution:	10			Initial Weight/Volume:	1040 mL
Analysis Date:	11/09/2013 2044			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		2.3	48
2,4,5-Trichlorophenol	ND		2.9	48
2,4-Dichlorophenol	ND		1.8	19
2,4-Dimethylphenol	ND		2.4	19
2,4-Dinitrophenol	ND		3.1	48
2,4-Dinitrotoluene	ND		2.4	48
2-Chlorophenol	ND		2.8	9.6
2-Methylnaphthalene	ND		0.87	1.9
2-Methylphenol	ND		1.6	9.6
2-Nitroaniline	ND		2.0	19
2-Nitrophenol	ND		2.7	19
3 & 4 Methylphenol	ND		7.7	19
3,3'-Dichlorobenzidine	ND		3.6	48
3-Nitroaniline	ND		2.7	19
4,6-Dinitro-2-methylphenol	ND		23	48
4-Bromophenyl phenyl ether	ND		2.1	19
4-Chloro-3-methylphenol	9.0	J	2.0	19
4-Chloroaniline	ND		2.0	19
4-Chlorophenyl phenyl ether	ND		2.9	19
4-Nitroaniline	ND		2.1	19
Acenaphthene	ND		0.42	1.9
Acenaphthylene	ND		0.46	1.9
Acetophenone	ND		3.3	9.6
Anthracene	ND		0.85	1.9
Benzo[a]anthracene	ND		0.28	1.9
Benzo[a]pyrene	ND		0.49	1.9
Benzo[b]fluoranthene	ND		0.38	1.9
Benzo[g,h,i]perylene	ND		0.45	1.9
Benzo[k]fluoranthene	ND		0.43	1.9
Bis(2-chloroethoxy)methane	ND		3.1	9.6
Bis(2-chloroethyl)ether	ND		0.96	9.6
Bis(2-ethylhexyl) phthalate	ND		2.1	19
Butyl benzyl phthalate	ND		2.5	19
Carbazole	ND		2.7	9.6
Chrysene	ND		0.48	1.9
Di-n-butyl phthalate	ND		6.4	19
Di-n-octyl phthalate	ND		2.2	19
Dibenz(a,h)anthracene	ND		0.43	1.9
Dibenzofuran	ND		0.19	9.6
Diethyl phthalate	ND		5.8	19
Dimethyl phthalate	ND		2.8	19
Fluoranthene	ND		0.43	1.9
Fluorene	ND		0.39	1.9
Hexachlorobenzene	ND		0.82	1.9
Hexachlorobutadiene	ND		2.6	9.6
Hexachlorocyclopentadiene	ND		2.3	96

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109080	Instrument ID:	A4AG2
Prep Method:	3520C	Prep Batch:	240-107496	Lab File ID:	1109034.D
Dilution:	10			Initial Weight/Volume:	1040 mL
Analysis Date:	11/09/2013 2044			Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		1.8	9.6
Indeno[1,2,3-cd]pyrene	ND		0.42	1.9
Isophorone	ND		2.6	9.6
N-Nitrosodi-n-propylamine	ND		2.3	9.6
N-Nitrosodiphenylamine	ND		3.0	9.6
Naphthalene	1.0	J	0.60	1.9
Nitrobenzene	ND		0.38	9.6
Pentachlorophenol	ND		2.6	48
Phenanthrene	ND		0.60	1.9
Phenol	ND		5.8	9.6
Pyrene	ND		0.40	1.9
bis (2-chloroisopropyl) ether	ND		3.8	9.6
2,6-Dinitrotoluene	ND		7.7	48
4-Nitrophenol	ND		2.8	48

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	77		24 - 110
Phenol-d5 (Surr)	75		21 - 110
Nitrobenzene-d5 (Surr)	67		21 - 110
2-Fluorophenol (Surr)	73		10 - 110
2-Fluorobiphenyl (Surr)	69		20 - 110
2,4,6-Tribromophenol (Surr)	79		21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0627			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0093	0.049
4,4'-DDE	ND		0.0094	0.049
4,4'-DDT	ND	*	0.016	0.049
Aldrin	ND		0.0080	0.049
alpha-BHC	ND		0.0068	0.049
beta-BHC	ND		0.0082	0.049
alpha-Chlordane	ND		0.014	0.049
delta-BHC	0.021	J	0.0084	0.049
gamma-BHC (Lindane)	ND		0.0062	0.049
gamma-Chlordane	ND		0.012	0.049
Dieldrin	ND		0.0073	0.049
Endosulfan I	ND		0.013	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.011	0.049
Endrin	ND	*	0.011	0.049
Endrin aldehyde	ND		0.011	0.049
Endrin ketone	ND		0.0076	0.049
Heptachlor	ND	*	0.0078	0.049
Heptachlor epoxide	ND		0.0069	0.049
Methoxychlor	ND	*	0.031	0.097
Toxaphene	ND		0.31	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	60		30 - 120
Tetrachloro-m-xylene	104		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0627			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	58		30 - 120
Tetrachloro-m-xylene	100		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0647			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0093	0.049
4,4'-DDE	ND		0.0094	0.049
4,4'-DDT	ND	*	0.016	0.049
Aldrin	ND		0.0080	0.049
alpha-BHC	ND		0.0068	0.049
beta-BHC	ND		0.0082	0.049
alpha-Chlordane	ND		0.014	0.049
delta-BHC	ND		0.0084	0.049
gamma-BHC (Lindane)	ND		0.0062	0.049
gamma-Chlordane	ND		0.012	0.049
Dieldrin	ND		0.0073	0.049
Endosulfan I	ND		0.013	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.011	0.049
Endrin	ND	*	0.011	0.049
Endrin aldehyde	ND		0.011	0.049
Endrin ketone	ND		0.0076	0.049
Heptachlor	ND	*	0.0078	0.049
Heptachlor epoxide	ND		0.0069	0.049
Methoxychlor	ND	*	0.031	0.097
Toxaphene	ND		0.31	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		30 - 120
Tetrachloro-m-xylene	87		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0647			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	72		30 - 120
Tetrachloro-m-xylene	88		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0707			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0092	0.048
4,4'-DDE	ND		0.0093	0.048
4,4'-DDT	ND	*	0.015	0.048
Aldrin	ND		0.0079	0.048
alpha-BHC	ND		0.0067	0.048
beta-BHC	ND		0.0081	0.048
alpha-Chlordane	ND		0.013	0.048
delta-BHC	0.031	J	0.0084	0.048
gamma-BHC (Lindane)	0.047	J	0.0062	0.048
gamma-Chlordane	ND		0.012	0.048
Dieldrin	ND		0.0072	0.048
Endosulfan I	ND		0.013	0.048
Endosulfan II	ND		0.012	0.048
Endosulfan sulfate	ND		0.011	0.048
Endrin	ND	*	0.011	0.048
Endrin aldehyde	ND		0.011	0.048
Endrin ketone	ND		0.0075	0.048
Heptachlor	ND	*	0.0077	0.048
Heptachlor epoxide	ND		0.0068	0.048
Methoxychlor	ND	*	0.031	0.096
Toxaphene	ND		0.31	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		30 - 120
Tetrachloro-m-xylene	82		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0707			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	49		30 - 120
Tetrachloro-m-xylene	92		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0728			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0094	0.049
4,4'-DDE	ND		0.0095	0.049
4,4'-DDT	ND	*	0.016	0.049
Aldrin	ND		0.0080	0.049
alpha-BHC	ND		0.0069	0.049
beta-BHC	ND		0.0082	0.049
alpha-Chlordane	ND		0.014	0.049
delta-BHC	0.022	J	0.0085	0.049
gamma-BHC (Lindane)	ND		0.0063	0.049
gamma-Chlordane	ND		0.012	0.049
Dieldrin	ND		0.0074	0.049
Endosulfan I	ND		0.013	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.011	0.049
Endrin	ND	*	0.011	0.049
Endrin aldehyde	ND		0.011	0.049
Endrin ketone	ND		0.0076	0.049
Heptachlor	ND	*	0.0078	0.049
Heptachlor epoxide	ND		0.0070	0.049
Methoxychlor	ND	*	0.031	0.098
Toxaphene	ND		0.31	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	27	X	30 - 120
Tetrachloro-m-xylene	76		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0728			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	22	X	30 - 120
Tetrachloro-m-xylene	77		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109089	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/09/2013 2055			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.010	0.053
4,4'-DDE	0.37		0.010	0.053
4,4'-DDT	ND	*	0.017	0.053
Aldrin	ND		0.0086	0.053
alpha-BHC	ND		0.0074	0.053
beta-BHC	ND		0.0088	0.053
alpha-Chlordane	ND		0.015	0.053
delta-BHC	ND		0.0092	0.053
gamma-BHC (Lindane)	ND		0.0067	0.053
gamma-Chlordane	ND		0.013	0.053
Dieldrin	ND		0.0079	0.053
Endosulfan I	ND		0.014	0.053
Endosulfan II	ND		0.013	0.053
Endosulfan sulfate	ND		0.012	0.053
Endrin	0.036	J *	0.012	0.053
Endrin aldehyde	ND		0.012	0.053
Endrin ketone	ND		0.0082	0.053
Heptachlor	0.019	J *	0.0084	0.053
Heptachlor epoxide	ND		0.0075	0.053
Methoxychlor	ND	*	0.034	0.11
Toxaphene	ND		0.34	2.1

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	74		30 - 120
Tetrachloro-m-xylene	86		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109089	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/09/2013 2055			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		30 - 120
Tetrachloro-m-xylene	76		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0809			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	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
beta-BHC	ND		0.0084	0.050
alpha-Chlordane	ND		0.014	0.050
delta-BHC	ND		0.0087	0.050
gamma-BHC (Lindane)	ND		0.0064	0.050
gamma-Chlordane	ND		0.012	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
Heptachlor	ND	*	0.0080	0.050
Heptachlor epoxide	ND		0.0071	0.050
Methoxychlor	ND	*	0.032	0.10
Toxaphene	ND		0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		30 - 120
Tetrachloro-m-xylene	97		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0809			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		30 - 120
Tetrachloro-m-xylene	111		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0829			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0092	0.048
4,4'-DDE	ND		0.0093	0.048
4,4'-DDT	ND	*	0.015	0.048
Aldrin	ND		0.0079	0.048
alpha-BHC	ND		0.0067	0.048
beta-BHC	ND		0.0081	0.048
alpha-Chlordane	ND		0.013	0.048
delta-BHC	0.026	J	0.0084	0.048
gamma-BHC (Lindane)	0.013	J	0.0062	0.048
gamma-Chlordane	ND		0.012	0.048
Dieldrin	ND		0.0072	0.048
Endosulfan I	ND		0.013	0.048
Endosulfan II	ND		0.012	0.048
Endosulfan sulfate	ND		0.011	0.048
Endrin	ND	*	0.011	0.048
Endrin aldehyde	ND		0.011	0.048
Endrin ketone	ND		0.0075	0.048
Heptachlor	ND	*	0.0077	0.048
Heptachlor epoxide	ND		0.0068	0.048
Methoxychlor	ND	*	0.031	0.096
Toxaphene	ND		0.31	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		30 - 120
Tetrachloro-m-xylene	81		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0829			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		30 - 120
Tetrachloro-m-xylene	77		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0850			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0095	0.050
4,4'-DDE	ND		0.0096	0.050
4,4'-DDT	ND	*	0.016	0.050
Aldrin	ND		0.0081	0.050
alpha-BHC	ND		0.0069	0.050
beta-BHC	ND		0.0083	0.050
alpha-Chlordane	ND		0.014	0.050
delta-BHC	0.021	J	0.0086	0.050
gamma-BHC (Lindane)	ND		0.0063	0.050
gamma-Chlordane	ND		0.012	0.050
Dieldrin	ND		0.0074	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		0.0077	0.050
Heptachlor	ND	*	0.0079	0.050
Heptachlor epoxide	ND		0.0070	0.050
Methoxychlor	ND	*	0.032	0.099
Toxaphene	ND		0.32	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		30 - 120
Tetrachloro-m-xylene	114		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 0850			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		30 - 120
Tetrachloro-m-xylene	91		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1050 mL
Dilution:	5.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 1012			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			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
beta-BHC	ND		0.040	0.24
alpha-Chlordane	ND		0.067	0.24
delta-BHC	ND		0.041	0.24
gamma-BHC (Lindane)	ND		0.030	0.24
gamma-Chlordane	ND		0.057	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
Heptachlor	ND	*	0.038	0.24
Heptachlor epoxide	ND		0.034	0.24
Methoxychlor	ND	*	0.15	0.48
Toxaphene	ND		1.5	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	52		30 - 120
Tetrachloro-m-xylene	101		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3510C	Prep Batch:	240-107322	Initial Weight/Volume:	1050 mL
Dilution:	5.0			Final Weight/Volume:	5 mL
Analysis Date:	11/04/2013 1012			Injection Volume:	1 uL
Prep Date:	10/28/2013 0819			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	39		30 - 120
Tetrachloro-m-xylene	93		38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0926			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.17	0.49
Aroclor-1221	ND		0.13	0.49
Aroclor-1232	ND		0.16	0.49
Aroclor-1242	ND		0.21	0.49
Aroclor-1248	ND		0.097	0.49
Aroclor-1254	ND		0.16	0.49
Aroclor-1260	ND		0.17	0.49
Aroclor-1262	ND		0.15	0.49
Aroclor-1268	ND		0.23	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		35 - 137
DCB Decachlorobiphenyl	54		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0926			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		35 - 137
DCB Decachlorobiphenyl	68		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0940			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.17	0.49
Aroclor-1221	ND		0.13	0.49
Aroclor-1232	ND		0.16	0.49
Aroclor-1242	ND		0.21	0.49
Aroclor-1248	ND		0.097	0.49
Aroclor-1254	ND		0.16	0.49
Aroclor-1260	ND		0.17	0.49
Aroclor-1262	ND		0.15	0.49
Aroclor-1268	ND		0.23	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		35 - 137
DCB Decachlorobiphenyl	57		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0940			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		35 - 137
DCB Decachlorobiphenyl	78		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0954			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.13	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.096	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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		35 - 137
DCB Decachlorobiphenyl	55		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0954			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		35 - 137
DCB Decachlorobiphenyl	67		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1008			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.17	0.49
Aroclor-1221	ND		0.13	0.49
Aroclor-1232	ND		0.16	0.49
Aroclor-1242	ND		0.22	0.49
Aroclor-1248	ND		0.098	0.49
Aroclor-1254	ND		0.16	0.49
Aroclor-1260	ND		0.17	0.49
Aroclor-1262	ND		0.15	0.49
Aroclor-1268	ND		0.24	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		35 - 137
DCB Decachlorobiphenyl	23		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1008			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		35 - 137
DCB Decachlorobiphenyl	27		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1022			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.18	0.53
Aroclor-1221	ND		0.14	0.53
Aroclor-1232	ND		0.17	0.53
Aroclor-1242	ND		0.23	0.53
Aroclor-1248	ND		0.11	0.53
Aroclor-1254	ND		0.17	0.53
Aroclor-1260	ND		0.18	0.53
Aroclor-1262	ND		0.16	0.53
Aroclor-1268	ND		0.25	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		35 - 137
DCB Decachlorobiphenyl	74		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1022			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		35 - 137
DCB Decachlorobiphenyl	92		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1037			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			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		0.10	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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		35 - 137
DCB Decachlorobiphenyl	77		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1037			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		35 - 137
DCB Decachlorobiphenyl	93		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1051			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.16	0.48
Aroclor-1221	ND		0.13	0.48
Aroclor-1232	ND		0.15	0.48
Aroclor-1242	ND		0.21	0.48
Aroclor-1248	ND		0.096	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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		35 - 137
DCB Decachlorobiphenyl	63		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1051			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		35 - 137
DCB Decachlorobiphenyl	77		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1105			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			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

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		35 - 137
DCB Decachlorobiphenyl	71		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 1105			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		35 - 137
DCB Decachlorobiphenyl	90		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0824			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			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	0.22	J	0.16	0.48
Aroclor-1262	ND		0.14	0.48
Aroclor-1268	ND		0.23	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		35 - 137
DCB Decachlorobiphenyl	18		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Prep Method:	3510C	Prep Batch:	240-107321	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	10/30/2013 0824			Injection Volume:	1 uL
Prep Date:	10/28/2013 0816			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		35 - 137
DCB Decachlorobiphenyl	28		10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW23G20131023**

Lab Sample ID: 240-30670-1 Date Sampled: 10/23/2013 0907
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0812			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	16		3.2	15
Barium	200	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1614			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **TR1VMW24G20131023**

Lab Sample ID: 240-30670-2 Date Sampled: 10/23/2013 1029
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0828			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	44	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1636			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW28G20131023**

Lab Sample ID: 240-30670-3 Date Sampled: 10/23/2013 1715
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0832			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	140	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1638			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW34G20131024**

Lab Sample ID: 240-30670-4 Date Sampled: 10/24/2013 0815
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0836			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	10	J	3.2	15
Barium	520	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	8.9	J	2.2	10
Lead	2.2	J	1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1639			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW26G20131024**

Lab Sample ID: 240-30670-5 Date Sampled: 10/24/2013 0953
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0848			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	140	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	3.2	J	2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1640			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW37G20131024**

Lab Sample ID: 240-30670-6 Date Sampled: 10/24/2013 1140
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0853			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	56	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	180		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1642			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW27G20131024**

Lab Sample ID: 240-30670-7 Date Sampled: 10/24/2013 1215
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0857			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

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

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1643			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARMW39G20131024**

Lab Sample ID: 240-30670-8 Date Sampled: 10/24/2013 1430
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0901			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	96	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1649			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Client Sample ID: **CARSSIPZ04G20131024**

Lab Sample ID: 240-30670-9 Date Sampled: 10/24/2013 1448
Client Matrix: Water Date Received: 10/25/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108547	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0905			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	3.2	J	3.2	15
Barium	510	B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108226	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1651			Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				

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

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-30670-1

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

Client: EnSafe, Inc. Job Number: 240-30670-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-108601					
LCS 240-108601/4	Lab Control Sample	T	Water	8260C	
MB 240-108601/6	Method Blank	T	Water	8260C	
240-30670-1	TR1VMW23G20131023	T	Water	8260C	
240-30670-1MS	Matrix Spike	T	Water	8260C	
240-30670-1MSD	Matrix Spike Duplicate	T	Water	8260C	
240-30670-2	TR1VMW24G20131023	T	Water	8260C	
240-30670-3	CARMW28G20131023	T	Water	8260C	
240-30670-4	CARMW34G20131024	T	Water	8260C	
240-30670-5	CARMW26G20131024	T	Water	8260C	
240-30670-6	CARMW37G20131024	T	Water	8260C	
240-30670-7	CARMW27G20131024	T	Water	8260C	
240-30670-8	CARMW39G20131024	T	Water	8260C	
240-30670-9	CARSSIPZ04G20131024	T	Water	8260C	

Report Basis

T = Total

Client: EnSafe, Inc. Job Number: 240-30670-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-107492					
LCS 240-107492/22-A	Lab Control Sample	T	Water	3520C	
MB 240-107492/21-A	Method Blank	T	Water	3520C	
240-30670-4	CARMW34G20131024	T	Water	3520C	
240-30670-5	CARMW26G20131024	T	Water	3520C	
240-30670-6	CARMW37G20131024	T	Water	3520C	
240-30670-7	CARMW27G20131024	T	Water	3520C	
Prep Batch: 240-107496					
LCS 240-107496/24-A	Lab Control Sample	T	Water	3520C	
MB 240-107496/23-A	Method Blank	T	Water	3520C	
240-30670-1	TR1VMW23G20131023	T	Water	3520C	
240-30670-2	TR1VMW24G20131023	T	Water	3520C	
240-30670-3	CARMW28G20131023	T	Water	3520C	
240-30670-9	CARSSIPZ04G20131024	T	Water	3520C	
Prep Batch: 240-107842					
LCS 240-107842/24-A	Lab Control Sample	T	Water	3520C	
MB 240-107842/23-A	Method Blank	T	Water	3520C	
240-30670-8	CARMW39G20131024	T	Water	3520C	
Analysis Batch:240-107883					
MB 240-107492/21-A	Method Blank	T	Water	8270D	240-107492
240-30670-4	CARMW34G20131024	T	Water	8270D	240-107492
240-30670-5	CARMW26G20131024	T	Water	8270D	240-107492
240-30670-6	CARMW37G20131024	T	Water	8270D	240-107492
240-30670-7	CARMW27G20131024	T	Water	8270D	240-107492
Analysis Batch:240-108197					
LCS 240-107496/24-A	Lab Control Sample	T	Water	8270D	240-107496
MB 240-107496/23-A	Method Blank	T	Water	8270D	240-107496
Analysis Batch:240-108259					
LCS 240-107492/22-A	Lab Control Sample	T	Water	8270D	240-107492
LCS 240-107842/24-A	Lab Control Sample	T	Water	8270D	240-107842
MB 240-107842/23-A	Method Blank	T	Water	8270D	240-107842
240-30670-8	CARMW39G20131024	T	Water	8270D	240-107842
Analysis Batch:240-109080					
240-30670-1	TR1VMW23G20131023	T	Water	8270D	240-107496
240-30670-2	TR1VMW24G20131023	T	Water	8270D	240-107496
240-30670-3	CARMW28G20131023	T	Water	8270D	240-107496
240-30670-9	CARSSIPZ04G20131024	T	Water	8270D	240-107496

Client: EnSafe, Inc. Job Number: 240-30670-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30670-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-107321					
LCS 240-107321/11-A	Lab Control Sample	T	Water	3510C	
MB 240-107321/10-A	Method Blank	T	Water	3510C	
240-30670-1	TR1VMW23G20131023	T	Water	3510C	
240-30670-2	TR1VMW24G20131023	T	Water	3510C	
240-30670-3	CARMW28G20131023	T	Water	3510C	
240-30670-4	CARMW34G20131024	T	Water	3510C	
240-30670-5	CARMW26G20131024	T	Water	3510C	
240-30670-6	CARMW37G20131024	T	Water	3510C	
240-30670-7	CARMW27G20131024	T	Water	3510C	
240-30670-8	CARMW39G20131024	T	Water	3510C	
240-30670-9	CARSSIPZ04G20131024	T	Water	3510C	
Prep Batch: 240-107322					
LCS 240-107322/11-A	Lab Control Sample	T	Water	3510C	
MB 240-107322/10-A	Method Blank	T	Water	3510C	
240-30670-1	TR1VMW23G20131023	T	Water	3510C	
240-30670-2	TR1VMW24G20131023	T	Water	3510C	
240-30670-3	CARMW28G20131023	T	Water	3510C	
240-30670-4	CARMW34G20131024	T	Water	3510C	
240-30670-5	CARMW26G20131024	T	Water	3510C	
240-30670-6	CARMW37G20131024	T	Water	3510C	
240-30670-7	CARMW27G20131024	T	Water	3510C	
240-30670-8	CARMW39G20131024	T	Water	3510C	
240-30670-9	CARSSIPZ04G20131024	T	Water	3510C	
Analysis Batch:240-107662					
LCS 240-107321/11-A	Lab Control Sample	T	Water	8082A	240-107321
MB 240-107321/10-A	Method Blank	T	Water	8082A	240-107321
240-30670-1	TR1VMW23G20131023	T	Water	8082A	240-107321
240-30670-2	TR1VMW24G20131023	T	Water	8082A	240-107321
240-30670-3	CARMW28G20131023	T	Water	8082A	240-107321
240-30670-4	CARMW34G20131024	T	Water	8082A	240-107321
240-30670-5	CARMW26G20131024	T	Water	8082A	240-107321
240-30670-6	CARMW37G20131024	T	Water	8082A	240-107321
240-30670-7	CARMW27G20131024	T	Water	8082A	240-107321
240-30670-8	CARMW39G20131024	T	Water	8082A	240-107321
240-30670-9	CARSSIPZ04G20131024	T	Water	8082A	240-107321

Client: EnSafe, Inc. Job Number: 240-30670-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-108129					
LCS 240-107322/11-A	Lab Control Sample	T	Water	8081B	240-107322
MB 240-107322/10-A	Method Blank	T	Water	8081B	240-107322
240-30670-1	TR1VMW23G20131023	T	Water	8081B	240-107322
240-30670-2	TR1VMW24G20131023	T	Water	8081B	240-107322
240-30670-3	CARMW28G20131023	T	Water	8081B	240-107322
240-30670-4	CARMW34G20131024	T	Water	8081B	240-107322
240-30670-6	CARMW37G20131024	T	Water	8081B	240-107322
240-30670-7	CARMW27G20131024	T	Water	8081B	240-107322
240-30670-8	CARMW39G20131024	T	Water	8081B	240-107322
240-30670-9	CARSSIPZ04G20131024	T	Water	8081B	240-107322
Analysis Batch:240-109089					
PB 240-109089/3	Preparation / Extraction Blank	T	Water	8081B	
240-30670-5	CARMW26G20131024	T	Water	8081B	240-107322

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30670-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-107845					
LCS 240-107845/2-A	Lab Control Sample	R	Water	3005A	
MB 240-107845/1-A	Method Blank	R	Water	3005A	
240-30670-1	TR1VMW23G20131023	R	Water	3005A	
240-30670-1DU	Duplicate	R	Water	3005A	
240-30670-1MS	Matrix Spike	R	Water	3005A	
240-30670-2	TR1VMW24G20131023	R	Water	3005A	
240-30670-3	CARMW28G20131023	R	Water	3005A	
240-30670-4	CARMW34G20131024	R	Water	3005A	
240-30670-5	CARMW26G20131024	R	Water	3005A	
240-30670-6	CARMW37G20131024	R	Water	3005A	
240-30670-7	CARMW27G20131024	R	Water	3005A	
240-30670-8	CARMW39G20131024	R	Water	3005A	
240-30670-9	CARSSIPZ04G20131024	R	Water	3005A	
Prep Batch: 240-107851					
LCS 240-107851/2-A	Lab Control Sample	T	Water	7470A	
MB 240-107851/1-A	Method Blank	T	Water	7470A	
240-30670-1	TR1VMW23G20131023	T	Water	7470A	
240-30670-1DU	Duplicate	T	Water	7470A	
240-30670-1MS	Matrix Spike	T	Water	7470A	
240-30670-2	TR1VMW24G20131023	T	Water	7470A	
240-30670-3	CARMW28G20131023	T	Water	7470A	
240-30670-4	CARMW34G20131024	T	Water	7470A	
240-30670-5	CARMW26G20131024	T	Water	7470A	
240-30670-6	CARMW37G20131024	T	Water	7470A	
240-30670-7	CARMW27G20131024	T	Water	7470A	
240-30670-8	CARMW39G20131024	T	Water	7470A	
240-30670-9	CARSSIPZ04G20131024	T	Water	7470A	
Analysis Batch:240-108226					
LCS 240-107851/2-A	Lab Control Sample	T	Water	7470A	240-107851
MB 240-107851/1-A	Method Blank	T	Water	7470A	240-107851
240-30670-1	TR1VMW23G20131023	T	Water	7470A	240-107851
240-30670-1DU	Duplicate	T	Water	7470A	240-107851
240-30670-1MS	Matrix Spike	T	Water	7470A	240-107851
240-30670-2	TR1VMW24G20131023	T	Water	7470A	240-107851
240-30670-3	CARMW28G20131023	T	Water	7470A	240-107851
240-30670-4	CARMW34G20131024	T	Water	7470A	240-107851
240-30670-5	CARMW26G20131024	T	Water	7470A	240-107851
240-30670-6	CARMW37G20131024	T	Water	7470A	240-107851
240-30670-7	CARMW27G20131024	T	Water	7470A	240-107851
240-30670-8	CARMW39G20131024	T	Water	7470A	240-107851
240-30670-9	CARSSIPZ04G20131024	T	Water	7470A	240-107851

Client: EnSafe, Inc. Job Number: 240-30670-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-108547					
LCS 240-107845/2-A	Lab Control Sample	R	Water	6010C	240-107845
MB 240-107845/1-A	Method Blank	R	Water	6010C	240-107845
240-30670-1	TR1VMW23G20131023	R	Water	6010C	240-107845
240-30670-1DU	Duplicate	R	Water	6010C	240-107845
240-30670-1MS	Matrix Spike	R	Water	6010C	240-107845
240-30670-2	TR1VMW24G20131023	R	Water	6010C	240-107845
240-30670-3	CARMW28G20131023	R	Water	6010C	240-107845
240-30670-4	CARMW34G20131024	R	Water	6010C	240-107845
240-30670-5	CARMW26G20131024	R	Water	6010C	240-107845
240-30670-6	CARMW37G20131024	R	Water	6010C	240-107845
240-30670-7	CARMW27G20131024	R	Water	6010C	240-107845
240-30670-8	CARMW39G20131024	R	Water	6010C	240-107845
240-30670-9	CARSSIPZ04G20131024	R	Water	6010C	240-107845

Report Basis

R = Total Recoverable

T = Total

Client: EnSafe, Inc. Job Number: 240-30670-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
MRL 240-108601/5		91	102	98	96

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	10-150
DBFM = Dibromofluoromethane (Surr)	10-150
DCA = 1,2-Dichloroethane-d4 (Surr)	10-150
TOL = Toluene-d8 (Surr)	10-150

Client: EnSafe, Inc. Job Number: 240-30670-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
240-30670-1	TR1VMW23G20131023	92	103	95	99
240-30670-2	TR1VMW24G20131023	90	101	94	96
240-30670-3	CARMW28G20131023	86	97	91	92
240-30670-4	CARMW34G20131024	91	101	95	93
240-30670-5	CARMW26G20131024	91	102	97	97
240-30670-6	CARMW37G20131024	86	97	93	92
240-30670-7	CARMW27G20131024	83	92	87	90
240-30670-8	CARMW39G20131024	91	102	97	97
240-30670-9	CARSSIPZ04G20131024	85	102	96	91
MB 240-108601/6		85	95	90	91
LCS 240-108601/4		96	102	100	98
240-30670-1 MS	TR1VMW23G20131023 MS	93	95	89	94
240-30670-1 MSD	TR1VMW23G20131023 MSD	90	96	93	92

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	66-117
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-115

Client: EnSafe, Inc. Job Number: 240-30670-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TPH %Rec	PHL %Rec	NBZ %Rec	2FP %Rec	FBP %Rec	TBP %Rec
240-30670-1	TR1VMW23G20131023	43	70	65	66	57	74
240-30670-2	TR1VMW24G20131023	72	69	65	66	63	76
240-30670-3	CARMW28G20131023	62	73	69	68	65	77
240-30670-4	CARMW34G20131024	46	74	66	68	72	85
240-30670-5	CARMW26G20131024	86	71	69	67	69	90
240-30670-6	CARMW37G20131024	90	75	72	72	73	76
240-30670-7	CARMW27G20131024	79	72	71	66	70	82
240-30670-8	CARMW39G20131024	71	64	63	63	63	74
240-30670-9	CARSSIPZ04G20131024	77	75	67	73	69	79
MB 240-107492/21-A		88	73	63	69	63	70
MB 240-107496/23-A		79	72	68	69	59	58
MB 240-107842/23-A		87	74	69	76	72	77
LCS 240-107492/22-A		92	76	74	74	76	92
LCS 240-107496/24-A		98	83	80	78	75	96
LCS 240-107842/24-A		94	83	84	84	80	93

Surrogate	Acceptance Limits
TPH = Terphenyl-d14 (Surr)	24-110
PHL = Phenol-d5 (Surr)	21-110
NBZ = Nitrobenzene-d5 (Surr)	21-110
2FP = 2-Fluorophenol (Surr)	10-110
FBP = 2-Fluorobiphenyl (Surr)	20-110
TBP = 2,4,6-Tribromophenol (Surr)	21-110

Client: EnSafe, Inc.

Job Number: 240-30670-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30670-1	TR1VMW23G20131023	58	60	100	104
240-30670-2	TR1VMW24G20131023	72	73	88	87
240-30670-3	CARMW28G20131023	49	55	92	82
240-30670-4	CARMW34G20131024	22X	27X	77	76
240-30670-5	CARMW26G20131024	62	74	76	86
240-30670-6	CARMW37G20131024	88	86	111	97
240-30670-7	CARMW27G20131024	64	71	77	81
240-30670-8	CARMW39G20131024	81	89	91	114
240-30670-9	CARSSIPZ04G20131024	39	52	93	101
MB 240-107322/10-A		99	94	113	106
LCS 240-107322/11-A		106	98	117	101

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-120
TCX = Tetrachloro-m-xylene	38-120

Client: EnSafe, Inc.

Job Number: 240-30670-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-30670-1	TR1VMW23G20131023	79	101	54	68
240-30670-2	TR1VMW24G20131023	95	88	57	78
240-30670-3	CARMW28G20131023	91	98	55	67
240-30670-4	CARMW34G20131024	84	78	23	27
240-30670-5	CARMW26G20131024	100	92	74	92
240-30670-6	CARMW37G20131024	107	107	77	93
240-30670-7	CARMW27G20131024	94	84	63	77
240-30670-8	CARMW39G20131024	97	92	71	90
240-30670-9	CARSSIPZ04G20131024	63	70	18	28
MB 240-107321/10-A		109	103	92	107
LCS 240-107321/11-A		97	93	72	85

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-108601/6	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1138	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1138				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.53	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	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
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-108601/6	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1138	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1138				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	85	66 - 117
Dibromofluoromethane (Surr)	95	75 - 121
1,2-Dichloroethane-d4 (Surr)	90	63 - 129
Toluene-d8 (Surr)	91	74 - 115

Method Blank TICs- Batch: 240-108601

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-108601/4	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1466.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1052	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1052				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	50.0	75.6	151	43 - 136	*
Benzene	25.0	27.1	108	83 - 112	
Bromoform	25.0	27.8	111	40 - 131	
Bromomethane	25.0	23.2	93	11 - 185	
2-Butanone (MEK)	50.0	69.0	138	60 - 126	*
Carbon disulfide	25.0	29.2	117	62 - 142	
Carbon tetrachloride	25.0	28.0	112	66 - 128	
Chlorobenzene	25.0	27.0	108	85 - 110	
Chlorodibromomethane	25.0	31.0	124	64 - 119	*
Chloroethane	25.0	23.4	93	25 - 153	
Chloroform	25.0	28.8	115	79 - 117	
Chloromethane	25.0	22.2	89	44 - 126	
cis-1,2-Dichloroethene	25.0	28.1	112	80 - 113	
cis-1,3-Dichloropropene	25.0	30.7	123	61 - 115	*
1,2-Dibromo-3-Chloropropane	25.0	30.5	122	42 - 136	
1,2-Dichlorobenzene	25.0	26.2	105	81 - 110	
1,3-Dichlorobenzene	25.0	26.0	104	80 - 110	
1,4-Dichlorobenzene	25.0	25.6	103	82 - 110	
Dichlorobromomethane	25.0	30.5	122	72 - 121	*
Dichlorodifluoromethane	25.0	21.9	88	19 - 129	
1,1-Dichloroethane	25.0	28.3	113	82 - 115	
1,2-Dichloroethane	25.0	29.7	119	71 - 127	
1,1-Dichloroethene	25.0	28.1	113	78 - 131	
1,2-Dichloropropane	25.0	27.6	110	81 - 115	
Ethylbenzene	25.0	27.4	110	83 - 112	
Ethylene Dibromide	25.0	30.1	120	79 - 113	*
2-Hexanone	50.0	63.5	127	55 - 133	
Isopropylbenzene	25.0	28.6	114	75 - 114	
Methylene Chloride	25.0	24.0	96	66 - 131	
4-Methyl-2-pentanone (MIBK)	50.0	66.3	133	63 - 128	*
Methyl tert-butyl ether	25.0	30.2	121	52 - 144	
m-Xylene & p-Xylene	25.0	27.6	110	83 - 113	
o-Xylene	25.0	27.6	111	83 - 113	
Styrene	25.0	28.2	113	79 - 114	
1,1,2,2-Tetrachloroethane	25.0	28.2	113	68 - 118	
Tetrachloroethene	25.0	27.8	111	79 - 114	
Toluene	25.0	24.6	98	84 - 111	
trans-1,2-Dichloroethene	25.0	28.6	114	83 - 117	
trans-1,3-Dichloropropene	25.0	32.7	131	58 - 117	*
1,2,4-Trichlorobenzene	25.0	26.8	107	48 - 135	
1,1,1-Trichloroethane	25.0	29.5	118	74 - 118	

Lab Control Sample - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-108601/4	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1466.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1052	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1052				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	25.0	27.6	110	80 - 112	
Trichloroethene	25.0	28.6	115	76 - 117	
Trichlorofluoromethane	25.0	25.0	100	49 - 157	
Vinyl chloride	25.0	24.6	98	53 - 127	
Xylenes, Total	50.0	55.2	110	83 - 112	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	96	66 - 117
Dibromofluoromethane (Surr)	102	75 - 121
1,2-Dichloroethane-d4 (Surr)	100	63 - 129
Toluene-d8 (Surr)	98	74 - 115

Method Reporting Limit Check - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 240-108601/5	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1467.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1115	Units:	ng/uL	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1115				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromoform	0.00100	ND	131	10 - 150	
1,2-Dibromo-3-Chloropropane	0.00100	ND	120	10 - 150	
2-Hexanone	0.0100	ND	90	10 - 150	
1,1,2,2-Tetrachloroethane	0.00100	ND	83	10 - 150	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	91	10 - 150
Dibromofluoromethane (Surr)	102	10 - 150
1,2-Dichloroethane-d4 (Surr)	98	10 - 150
Toluene-d8 (Surr)	96	10 - 150

Client: EnSafe, Inc. Job Number: 240-30670-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-108601

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-30670-1	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1489.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1941			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1941				
Leach Date:	N/A				

MSD Lab Sample ID:	240-30670-1	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1490.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 2003			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 2003				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	80	100	33 - 145	23	30		
Benzene	100	99	72 - 121	1	30		
Bromoform	81	91	32 - 128	11	30		
Bromomethane	84	82	10 - 186	2	30		
2-Butanone (MEK)	82	103	54 - 129	23	30		
Carbon disulfide	101	94	57 - 147	7	30		
Carbon tetrachloride	97	90	59 - 129	8	30		
Chlorobenzene	95	94	80 - 110	2	30		
Chlorodibromomethane	97	106	56 - 118	8	30		
Chloroethane	85	81	21 - 165	5	30		
Chloroform	103	104	76 - 118	0	30		
Chloromethane	81	77	33 - 132	5	30		
cis-1,2-Dichloroethene	74	71	70 - 120	1	30		
cis-1,3-Dichloropropene	104	108	51 - 110	4	30		
1,2-Dibromo-3-Chloropropane	82	100	32 - 139	20	30		
1,2-Dichlorobenzene	89	89	75 - 111	0	30		
1,3-Dichlorobenzene	89	86	73 - 110	3	30		
1,4-Dichlorobenzene	88	86	75 - 110	2	30		
Dichlorobromomethane	104	106	67 - 120	1	30		
Dichlorodifluoromethane	74	67	17 - 128	10	30		
1,1-Dichloroethane	102	99	79 - 116	2	30		
1,2-Dichloroethane	102	109	68 - 129	6	30		
1,1-Dichloroethene	96	89	74 - 135	8	30		
1,2-Dichloropropane	101	101	78 - 115	0	30		
Ethylbenzene	97	91	75 - 116	6	30		
Ethylene Dibromide	93	103	74 - 113	10	30		
2-Hexanone	72	96	47 - 139	29	30		
Isopropylbenzene	98	90	68 - 116	9	30		
Methylene Chloride	86	89	63 - 128	3	30		
4-Methyl-2-pentanone (MIBK)	84	108	56 - 131	26	30		
Methyl tert-butyl ether	96	108	46 - 144	12	30		
m-Xylene & p-Xylene	96	92	75 - 117	4	30		

Client: EnSafe, Inc. Job Number: 240-30670-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-108601

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-30670-1	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1489.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1941			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1941				
Leach Date:	N/A				

MSD Lab Sample ID:	240-30670-1	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1490.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 2003			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 2003				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
o-Xylene	98	95	76 - 116	4	30		
Styrene	98	96	71 - 117	1	30		
1,1,2,2-Tetrachloroethane	81	93	63 - 122	13	30		
Tetrachloroethene	95	87	70 - 117	9	30		
Toluene	89	85	78 - 114	4	30		
trans-1,2-Dichloroethene	101	97	80 - 119	4	30		
trans-1,3-Dichloropropene	102	110	46 - 116	7	30		
1,2,4-Trichlorobenzene	87	86	38 - 138	1	30		
1,1,1-Trichloroethane	104	97	68 - 121	6	30		
1,1,2-Trichloroethane	86	95	75 - 115	9	30		
Trichloroethene	99	96	66 - 120	3	30		
Trichlorofluoromethane	84	78	46 - 157	7	30		
Vinyl chloride	82	76	49 - 130	6	30		
Xylenes, Total	97	93	76 - 116	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	93	90	66 - 117
Dibromofluoromethane (Surr)	95	96	75 - 121
1,2-Dichloroethane-d4 (Surr)	89	93	63 - 129
Toluene-d8 (Surr)	94	92	74 - 115

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107492

Method: 8270D
Preparation: 3520C

Lab Sample ID:	MB 240-107492/21-A	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107492	Lab File ID:	31031003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/31/2013 1116	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,6-Trichlorophenol	ND		0.24	5.0
2,4,5-Trichlorophenol	ND		0.30	5.0
2,4-Dichlorophenol	ND		0.19	2.0
2,4-Dimethylphenol	ND		0.25	2.0
2,4-Dinitrophenol	ND		0.32	5.0
2,4-Dinitrotoluene	ND		0.25	5.0
2-Chlorophenol	ND		0.29	1.0
2-Methylnaphthalene	ND		0.090	0.20
2-Methylphenol	ND		0.17	1.0
2-Nitroaniline	ND		0.21	2.0
2-Nitrophenol	ND		0.28	2.0
3 & 4 Methylphenol	ND		0.80	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
3-Nitroaniline	ND		0.28	2.0
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
4-Bromophenyl phenyl ether	ND		0.22	2.0
4-Chloro-3-methylphenol	ND		0.21	2.0
4-Chloroaniline	ND		0.21	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
4-Nitroaniline	ND		0.22	2.0
Acenaphthene	ND		0.044	0.20
Acenaphthylene	ND		0.048	0.20
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.088	0.20
Benzo[a]anthracene	ND		0.030	0.20
Benzo[a]pyrene	ND		0.051	0.20
Benzo[b]fluoranthene	ND		0.039	0.20
Benzo[g,h,i]perylene	ND		0.046	0.20
Benzo[k]fluoranthene	ND		0.045	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	ND		0.22	2.0
Butyl benzyl phthalate	ND		0.26	2.0
Carbazole	ND		0.28	1.0
Chrysene	ND		0.050	0.20
Di-n-butyl phthalate	ND		0.67	2.0
Di-n-octyl phthalate	ND		0.23	2.0
Dibenz(a,h)anthracene	ND		0.045	0.20
Dibenzofuran	ND		0.020	1.0
Diethyl phthalate	ND		0.60	2.0
Dimethyl phthalate	ND		0.29	2.0
Fluoranthene	ND		0.045	0.20
Fluorene	ND		0.041	0.20
Hexachlorobenzene	ND		0.085	0.20
Hexachlorobutadiene	ND		0.27	1.0

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107492

Method: 8270D
Preparation: 3520C

Lab Sample ID:	MB 240-107492/21-A	Analysis Batch:	240-107883	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107492	Lab File ID:	31031003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/31/2013 1116	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorocyclopentadiene	ND		0.24	10
Hexachloroethane	ND		0.19	1.0
Indeno[1,2,3-cd]pyrene	ND		0.043	0.20
Isophorone	ND		0.27	1.0
N-Nitrosodi-n-propylamine	ND		0.24	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Naphthalene	ND		0.063	0.20
Nitrobenzene	ND		0.040	1.0
Pentachlorophenol	ND		0.27	5.0
Phenanthrene	ND		0.062	0.20
Phenol	ND		0.60	1.0
Pyrene	ND		0.042	0.20
bis (2-chloroisopropyl) ether	ND		0.40	1.0
2,6-Dinitrotoluene	ND		0.80	5.0
4-Nitrophenol	ND		0.29	5.0

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	88	24 - 110
Phenol-d5 (Surr)	73	21 - 110
Nitrobenzene-d5 (Surr)	63	21 - 110
2-Fluorophenol (Surr)	69	10 - 110
2-Fluorobiphenyl (Surr)	63	20 - 110
2,4,6-Tribromophenol (Surr)	70	21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-107492

Method: 8270D
Preparation: 3520C

Lab Sample ID:	LCS 240-107492/22-A	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107492	Lab File ID:	31104005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1144	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,6-Trichlorophenol	20.0	15.2	76	45 - 110	
2,4,5-Trichlorophenol	20.0	15.8	79	48 - 110	
2,4-Dichlorophenol	20.0	15.2	76	41 - 110	
2,4-Dimethylphenol	20.0	11.7	58	32 - 110	
2,4-Dinitrophenol	40.0	26.4	66	10 - 110	
2,4-Dinitrotoluene	20.0	16.2	81	53 - 110	
2-Chlorophenol	20.0	14.8	74	29 - 110	
2-Methylnaphthalene	20.0	13.6	68	45 - 110	
2-Methylphenol	20.0	14.5	72	42 - 110	
2-Nitroaniline	20.0	16.8	84	54 - 110	
2-Nitrophenol	20.0	15.3	76	40 - 110	
3 & 4 Methylphenol	20.0	14.9	75	44 - 110	
3,3'-Dichlorobenzidine	40.0	31.6	79	22 - 110	
3-Nitroaniline	20.0	15.1	75	53 - 110	
4,6-Dinitro-2-methylphenol	40.0	26.9	67	31 - 110	
4-Bromophenyl phenyl ether	20.0	15.8	79	45 - 110	
4-Chloro-3-methylphenol	20.0	15.3	77	52 - 110	
4-Chloroaniline	20.0	13.6	68	44 - 110	
4-Chlorophenyl phenyl ether	20.0	15.4	77	47 - 110	
4-Nitroaniline	20.0	16.1	80	54 - 110	
Acenaphthene	20.0	14.6	73	47 - 110	
Acenaphthylene	20.0	13.5	67	49 - 110	
Acetophenone	20.0	15.0	75	46 - 110	
Anthracene	20.0	14.7	74	52 - 110	
Benzo[a]anthracene	20.0	15.2	76	52 - 110	
Benzo[a]pyrene	20.0	14.7	74	44 - 110	
Benzo[b]fluoranthene	20.0	16.1	81	48 - 110	
Benzo[g,h,i]perylene	20.0	15.1	76	50 - 110	
Benzo[k]fluoranthene	20.0	15.2	76	49 - 110	
Bis(2-chloroethoxy)methane	20.0	14.9	75	43 - 110	
Bis(2-chloroethyl)ether	20.0	14.4	72	40 - 110	
Bis(2-ethylhexyl) phthalate	20.0	15.7	78	39 - 116	
Butyl benzyl phthalate	20.0	15.7	78	55 - 110	
Carbazole	20.0	14.8	74	55 - 110	
Chrysene	20.0	15.2	76	55 - 110	
Di-n-butyl phthalate	20.0	17.6	88	57 - 110	
Di-n-octyl phthalate	20.0	15.6	78	40 - 110	
Dibenz(a,h)anthracene	20.0	16.0	80	49 - 110	
Dibenzofuran	20.0	14.5	73	51 - 110	
Diethyl phthalate	20.0	16.3	81	58 - 110	
Dimethyl phthalate	20.0	16.4	82	57 - 110	

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-107492

Method: 8270D
Preparation: 3520C

Lab Sample ID:	LCS 240-107492/22-A	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107492	Lab File ID:	31104005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1144	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0808			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoranthene	20.0	16.1	80	54 - 110	
Fluorene	20.0	14.7	73	52 - 110	
Hexachlorobenzene	20.0	16.4	82	50 - 110	
Hexachlorobutadiene	20.0	11.6	58	33 - 110	
Hexachlorocyclopentadiene	20.0	0.761	4	4 - 110	J
Hexachloroethane	20.0	11.7	58	35 - 110	
Indeno[1,2,3-cd]pyrene	20.0	15.3	77	50 - 110	
Isophorone	20.0	14.2	71	49 - 110	
N-Nitrosodi-n-propylamine	20.0	15.2	76	47 - 110	
N-Nitrosodiphenylamine	40.0	32.0	80	50 - 110	
Naphthalene	20.0	13.3	66	44 - 110	
Nitrobenzene	20.0	15.7	78	42 - 110	
Pentachlorophenol	40.0	23.3	58	18 - 110	
Phenanthrene	20.0	14.8	74	53 - 110	
Phenol	20.0	15.0	75	33 - 110	
Pyrene	20.0	15.7	79	52 - 110	
bis (2-chloroisopropyl) ether	20.0	14.6	73	37 - 110	
2,6-Dinitrotoluene	20.0	16.1	80	54 - 110	
4-Nitrophenol	40.0	33.8	84	33 - 112	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	92	24 - 110
Phenol-d5 (Surr)	76	21 - 110
Nitrobenzene-d5 (Surr)	74	21 - 110
2-Fluorophenol (Surr)	74	10 - 110
2-Fluorobiphenyl (Surr)	76	20 - 110
2,4,6-Tribromophenol (Surr)	92	21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107496

Method: 8270D
Preparation: 3520C

Lab Sample ID:	MB 240-107496/23-A	Analysis Batch:	240-108197	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-107496	Lab File ID:	1104003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1105	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,6-Trichlorophenol	ND		0.24	5.0
2,4,5-Trichlorophenol	ND		0.30	5.0
2,4-Dichlorophenol	ND		0.19	2.0
2,4-Dimethylphenol	ND		0.25	2.0
2,4-Dinitrophenol	ND		0.32	5.0
2,4-Dinitrotoluene	ND		0.25	5.0
2-Chlorophenol	ND		0.29	1.0
2-Methylnaphthalene	ND		0.090	0.20
2-Methylphenol	ND		0.17	1.0
2-Nitroaniline	ND		0.21	2.0
2-Nitrophenol	ND		0.28	2.0
3 & 4 Methylphenol	ND		0.80	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
3-Nitroaniline	ND		0.28	2.0
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
4-Bromophenyl phenyl ether	ND		0.22	2.0
4-Chloro-3-methylphenol	ND		0.21	2.0
4-Chloroaniline	ND		0.21	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
4-Nitroaniline	ND		0.22	2.0
Acenaphthene	ND		0.044	0.20
Acenaphthylene	ND		0.048	0.20
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.088	0.20
Benzo[a]anthracene	ND		0.030	0.20
Benzo[a]pyrene	ND		0.051	0.20
Benzo[b]fluoranthene	ND		0.039	0.20
Benzo[g,h,i]perylene	ND		0.046	0.20
Benzo[k]fluoranthene	ND		0.045	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	0.248	J	0.22	2.0
Butyl benzyl phthalate	ND		0.26	2.0
Carbazole	ND		0.28	1.0
Chrysene	ND		0.050	0.20
Di-n-butyl phthalate	ND		0.67	2.0
Di-n-octyl phthalate	ND		0.23	2.0
Dibenz(a,h)anthracene	ND		0.045	0.20
Dibenzofuran	ND		0.020	1.0
Diethyl phthalate	ND		0.60	2.0
Dimethyl phthalate	ND		0.29	2.0
Fluoranthene	ND		0.045	0.20
Fluorene	ND		0.041	0.20
Hexachlorobenzene	ND		0.085	0.20
Hexachlorobutadiene	ND		0.27	1.0

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107496

Method: 8270D
Preparation: 3520C

Lab Sample ID:	MB 240-107496/23-A	Analysis Batch:	240-108197	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-107496	Lab File ID:	1104003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1105	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorocyclopentadiene	ND		0.24	10
Hexachloroethane	ND		0.19	1.0
Indeno[1,2,3-cd]pyrene	ND		0.043	0.20
Isophorone	ND		0.27	1.0
N-Nitrosodi-n-propylamine	ND		0.24	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Naphthalene	ND		0.063	0.20
Nitrobenzene	ND		0.040	1.0
Pentachlorophenol	ND		0.27	5.0
Phenanthrene	ND		0.062	0.20
Phenol	ND		0.60	1.0
Pyrene	ND		0.042	0.20
bis (2-chloroisopropyl) ether	ND		0.40	1.0
2,6-Dinitrotoluene	ND		0.80	5.0
4-Nitrophenol	ND		0.29	5.0

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	79	24 - 110
Phenol-d5 (Surr)	72	21 - 110
Nitrobenzene-d5 (Surr)	68	21 - 110
2-Fluorophenol (Surr)	69	10 - 110
2-Fluorobiphenyl (Surr)	59	20 - 110
2,4,6-Tribromophenol (Surr)	58	21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-107496

Method: 8270D
Preparation: 3520C

Lab Sample ID:	LCS 240-107496/24-A	Analysis Batch:	240-108197	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-107496	Lab File ID:	1104004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1127	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,6-Trichlorophenol	20.0	16.0	80	45 - 110	
2,4,5-Trichlorophenol	20.0	15.3	76	48 - 110	
2,4-Dichlorophenol	20.0	15.3	77	41 - 110	
2,4-Dimethylphenol	20.0	11.8	59	32 - 110	
2,4-Dinitrophenol	40.0	20.6	51	10 - 110	
2,4-Dinitrotoluene	20.0	18.8	94	53 - 110	
2-Chlorophenol	20.0	16.2	81	29 - 110	
2-Methylnaphthalene	20.0	13.9	69	45 - 110	
2-Methylphenol	20.0	14.8	74	42 - 110	
2-Nitroaniline	20.0	16.8	84	54 - 110	
2-Nitrophenol	20.0	16.5	82	40 - 110	
3 & 4 Methylphenol	20.0	15.6	78	44 - 110	
3,3'-Dichlorobenzidine	40.0	35.7	89	22 - 110	
3-Nitroaniline	20.0	17.1	86	53 - 110	
4,6-Dinitro-2-methylphenol	40.0	26.2	66	31 - 110	
4-Bromophenyl phenyl ether	20.0	15.7	78	45 - 110	
4-Chloro-3-methylphenol	20.0	17.0	85	52 - 110	
4-Chloroaniline	20.0	14.8	74	44 - 110	
4-Chlorophenyl phenyl ether	20.0	15.3	77	47 - 110	
4-Nitroaniline	20.0	17.9	89	54 - 110	
Acenaphthene	20.0	14.7	73	47 - 110	
Acenaphthylene	20.0	14.4	72	49 - 110	
Acetophenone	20.0	15.8	79	46 - 110	
Anthracene	20.0	15.9	79	52 - 110	
Benzo[a]anthracene	20.0	15.8	79	52 - 110	
Benzo[a]pyrene	20.0	16.7	83	44 - 110	
Benzo[b]fluoranthene	20.0	17.5	88	48 - 110	
Benzo[g,h,i]perylene	20.0	17.9	89	50 - 110	
Benzo[k]fluoranthene	20.0	16.5	83	49 - 110	
Bis(2-chloroethoxy)methane	20.0	15.7	79	43 - 110	
Bis(2-chloroethyl)ether	20.0	15.8	79	40 - 110	
Bis(2-ethylhexyl) phthalate	20.0	17.5	88	39 - 116	
Butyl benzyl phthalate	20.0	18.4	92	55 - 110	
Carbazole	20.0	16.9	85	55 - 110	
Chrysene	20.0	16.3	82	55 - 110	
Di-n-butyl phthalate	20.0	18.5	92	57 - 110	
Di-n-octyl phthalate	20.0	18.3	91	40 - 110	
Dibenz(a,h)anthracene	20.0	19.0	95	49 - 110	
Dibenzofuran	20.0	15.1	75	51 - 110	
Diethyl phthalate	20.0	17.3	86	58 - 110	
Dimethyl phthalate	20.0	16.8	84	57 - 110	

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-107496

Method: 8270D
Preparation: 3520C

Lab Sample ID:	LCS 240-107496/24-A	Analysis Batch:	240-108197	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-107496	Lab File ID:	1104004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1127	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/29/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoranthene	20.0	16.6	83	54 - 110	
Fluorene	20.0	15.6	78	52 - 110	
Hexachlorobenzene	20.0	15.1	76	50 - 110	
Hexachlorobutadiene	20.0	10.5	53	33 - 110	
Hexachlorocyclopentadiene	20.0	1.98	10	4 - 110	J
Hexachloroethane	20.0	11.1	56	35 - 110	
Indeno[1,2,3-cd]pyrene	20.0	18.2	91	50 - 110	
Isophorone	20.0	14.2	71	49 - 110	
N-Nitrosodi-n-propylamine	20.0	15.7	78	47 - 110	
N-Nitrosodiphenylamine	40.0	32.0	80	50 - 110	
Naphthalene	20.0	13.5	68	44 - 110	
Nitrobenzene	20.0	15.0	75	42 - 110	
Pentachlorophenol	40.0	18.3	46	18 - 110	
Phenanthrene	20.0	15.9	79	53 - 110	
Phenol	20.0	16.0	80	33 - 110	
Pyrene	20.0	16.6	83	52 - 110	
bis (2-chloroisopropyl) ether	20.0	14.2	71	37 - 110	
2,6-Dinitrotoluene	20.0	17.6	88	54 - 110	
4-Nitrophenol	40.0	32.9	82	33 - 112	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	98	24 - 110
Phenol-d5 (Surr)	83	21 - 110
Nitrobenzene-d5 (Surr)	80	21 - 110
2-Fluorophenol (Surr)	78	10 - 110
2-Fluorobiphenyl (Surr)	75	20 - 110
2,4,6-Tribromophenol (Surr)	96	21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107842 **Method: 8270D**
Preparation: 3520C

Lab Sample ID:	MB 240-107842/23-A	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107842	Lab File ID:	31104003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1053	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	10/31/2013 0822			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,6-Trichlorophenol	ND		0.24	5.0
2,4,5-Trichlorophenol	ND		0.30	5.0
2,4-Dichlorophenol	ND		0.19	2.0
2,4-Dimethylphenol	ND		0.25	2.0
2,4-Dinitrophenol	ND		0.32	5.0
2,4-Dinitrotoluene	ND		0.25	5.0
2-Chlorophenol	ND		0.29	1.0
2-Methylnaphthalene	ND		0.090	0.20
2-Methylphenol	ND		0.17	1.0
2-Nitroaniline	ND		0.21	2.0
2-Nitrophenol	ND		0.28	2.0
3 & 4 Methylphenol	ND		0.80	2.0
3,3'-Dichlorobenzidine	ND		0.37	5.0
3-Nitroaniline	ND		0.28	2.0
4,6-Dinitro-2-methylphenol	ND		2.4	5.0
4-Bromophenyl phenyl ether	ND		0.22	2.0
4-Chloro-3-methylphenol	ND		0.21	2.0
4-Chloroaniline	ND		0.21	2.0
4-Chlorophenyl phenyl ether	ND		0.30	2.0
4-Nitroaniline	ND		0.22	2.0
Acenaphthene	ND		0.044	0.20
Acenaphthylene	ND		0.048	0.20
Acetophenone	ND		0.34	1.0
Anthracene	ND		0.088	0.20
Benzo[a]anthracene	ND		0.030	0.20
Benzo[a]pyrene	ND		0.051	0.20
Benzo[b]fluoranthene	ND		0.039	0.20
Benzo[g,h,i]perylene	ND		0.046	0.20
Benzo[k]fluoranthene	ND		0.045	0.20
Bis(2-chloroethoxy)methane	ND		0.32	1.0
Bis(2-chloroethyl)ether	ND		0.10	1.0
Bis(2-ethylhexyl) phthalate	0.577	J	0.22	2.0
Butyl benzyl phthalate	ND		0.26	2.0
Carbazole	ND		0.28	1.0
Chrysene	ND		0.050	0.20
Di-n-butyl phthalate	ND		0.67	2.0
Di-n-octyl phthalate	ND		0.23	2.0
Dibenz(a,h)anthracene	ND		0.045	0.20
Dibenzofuran	ND		0.020	1.0
Diethyl phthalate	ND		0.60	2.0
Dimethyl phthalate	ND		0.29	2.0
Fluoranthene	ND		0.045	0.20
Fluorene	ND		0.041	0.20
Hexachlorobenzene	ND		0.085	0.20
Hexachlorobutadiene	ND		0.27	1.0

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107842

Method: 8270D
Preparation: 3520C

Lab Sample ID:	MB 240-107842/23-A	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107842	Lab File ID:	31104003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1053	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	10/31/2013 0822			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorocyclopentadiene	ND		0.24	10
Hexachloroethane	ND		0.19	1.0
Indeno[1,2,3-cd]pyrene	ND		0.043	0.20
Isophorone	ND		0.27	1.0
N-Nitrosodi-n-propylamine	ND		0.24	1.0
N-Nitrosodiphenylamine	ND		0.31	1.0
Naphthalene	ND		0.063	0.20
Nitrobenzene	ND		0.040	1.0
Pentachlorophenol	ND		0.27	5.0
Phenanthrene	ND		0.062	0.20
Phenol	ND		0.60	1.0
Pyrene	ND		0.042	0.20
bis (2-chloroisopropyl) ether	ND		0.40	1.0
2,6-Dinitrotoluene	ND		0.80	5.0
4-Nitrophenol	ND		0.29	5.0

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	87	24 - 110
Phenol-d5 (Surr)	74	21 - 110
Nitrobenzene-d5 (Surr)	69	21 - 110
2-Fluorophenol (Surr)	76	10 - 110
2-Fluorobiphenyl (Surr)	72	20 - 110
2,4,6-Tribromophenol (Surr)	77	21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-107842

Method: 8270D
Preparation: 3520C

Lab Sample ID:	LCS 240-107842/24-A	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107842	Lab File ID:	31104004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1119	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	10/31/2013 0822			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,6-Trichlorophenol	20.0	16.0	80	45 - 110	
2,4,5-Trichlorophenol	20.0	16.4	82	48 - 110	
2,4-Dichlorophenol	20.0	16.6	83	41 - 110	
2,4-Dimethylphenol	20.0	14.9	74	32 - 110	
2,4-Dinitrophenol	40.0	26.8	67	10 - 110	
2,4-Dinitrotoluene	20.0	17.0	85	53 - 110	
2-Chlorophenol	20.0	16.2	81	29 - 110	
2-Methylnaphthalene	20.0	14.4	72	45 - 110	
2-Methylphenol	20.0	15.9	80	42 - 110	
2-Nitroaniline	20.0	17.8	89	54 - 110	
2-Nitrophenol	20.0	17.5	88	40 - 110	
3 & 4 Methylphenol	20.0	16.0	80	44 - 110	
3,3'-Dichlorobenzidine	40.0	32.3	81	22 - 110	
3-Nitroaniline	20.0	16.2	81	53 - 110	
4,6-Dinitro-2-methylphenol	40.0	29.2	73	31 - 110	
4-Bromophenyl phenyl ether	20.0	17.2	86	45 - 110	
4-Chloro-3-methylphenol	20.0	16.7	83	52 - 110	
4-Chloroaniline	20.0	14.7	74	44 - 110	
4-Chlorophenyl phenyl ether	20.0	15.5	77	47 - 110	
4-Nitroaniline	20.0	16.8	84	54 - 110	
Acenaphthene	20.0	15.1	76	47 - 110	
Acenaphthylene	20.0	14.2	71	49 - 110	
Acetophenone	20.0	16.3	82	46 - 110	
Anthracene	20.0	15.8	79	52 - 110	
Benzo[a]anthracene	20.0	15.9	79	52 - 110	
Benzo[a]pyrene	20.0	15.9	79	44 - 110	
Benzo[b]fluoranthene	20.0	16.5	83	48 - 110	
Benzo[g,h,i]perylene	20.0	15.9	80	50 - 110	
Benzo[k]fluoranthene	20.0	16.9	85	49 - 110	
Bis(2-chloroethoxy)methane	20.0	16.5	83	43 - 110	
Bis(2-chloroethyl)ether	20.0	15.9	80	40 - 110	
Bis(2-ethylhexyl) phthalate	20.0	17.2	86	39 - 116	
Butyl benzyl phthalate	20.0	16.5	83	55 - 110	
Carbazole	20.0	16.8	84	55 - 110	
Chrysene	20.0	16.0	80	55 - 110	
Di-n-butyl phthalate	20.0	18.2	91	57 - 110	
Di-n-octyl phthalate	20.0	16.6	83	40 - 110	
Dibenz(a,h)anthracene	20.0	16.9	85	49 - 110	
Dibenzofuran	20.0	14.9	75	51 - 110	
Diethyl phthalate	20.0	16.8	84	58 - 110	
Dimethyl phthalate	20.0	17.1	86	57 - 110	

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-107842

Method: 8270D
Preparation: 3520C

Lab Sample ID:	LCS 240-107842/24-A	Analysis Batch:	240-108259	Instrument ID:	A4HP7
Client Matrix:	Water	Prep Batch:	240-107842	Lab File ID:	31104004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 1119	Units:	ug/L	Final Weight/Volume:	2.0 mL
Prep Date:	10/31/2013 0822			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoranthene	20.0	17.2	86	54 - 110	
Fluorene	20.0	14.9	74	52 - 110	
Hexachlorobenzene	20.0	17.1	85	50 - 110	
Hexachlorobutadiene	20.0	10.2	51	33 - 110	
Hexachlorocyclopentadiene	20.0	1.97	10	4 - 110	J
Hexachloroethane	20.0	10.5	52	35 - 110	
Indeno[1,2,3-cd]pyrene	20.0	16.7	83	50 - 110	
Isophorone	20.0	15.4	77	49 - 110	
N-Nitrosodi-n-propylamine	20.0	15.7	79	47 - 110	
N-Nitrosodiphenylamine	40.0	34.4	86	50 - 110	
Naphthalene	20.0	14.2	71	44 - 110	
Nitrobenzene	20.0	17.5	87	42 - 110	
Pentachlorophenol	40.0	24.4	61	18 - 110	
Phenanthrene	20.0	15.6	78	53 - 110	
Phenol	20.0	16.4	82	33 - 110	
Pyrene	20.0	16.1	81	52 - 110	
bis (2-chloroisopropyl) ether	20.0	15.6	78	37 - 110	
2,6-Dinitrotoluene	20.0	17.2	86	54 - 110	
4-Nitrophenol	40.0	34.7	87	33 - 112	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	94	24 - 110
Phenol-d5 (Surr)	83	21 - 110
Nitrobenzene-d5 (Surr)	84	21 - 110
2-Fluorophenol (Surr)	84	10 - 110
2-Fluorobiphenyl (Surr)	80	20 - 110
2,4,6-Tribromophenol (Surr)	93	21 - 110

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107322

Method: 8081B
Preparation: 3510C

Lab Sample ID:	MB 240-107322/10-A	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-107322	Lab File ID:	P3110339.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 0911	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/28/2013 0819			Injection Volume:	1 uL
Leach Date:	N/A			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
beta-BHC	ND		0.0084	0.050
alpha-Chlordane	ND		0.014	0.050
delta-BHC	ND		0.0087	0.050
gamma-BHC (Lindane)	ND		0.0064	0.050
gamma-Chlordane	ND		0.012	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
Heptachlor	ND		0.0080	0.050
Heptachlor epoxide	ND		0.0071	0.050
Methoxychlor	ND		0.032	0.10
Toxaphene	ND		0.32	2.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	94	30 - 120
Tetrachloro-m-xylene	106	38 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	30 - 120
Tetrachloro-m-xylene	113	38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Lab Control Sample - Batch: 240-107322

Method: 8081B
Preparation: 3510C

Lab Sample ID:	LCS 240-107322/11-A	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-107322	Lab File ID:	P3110330.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/04/2013 0607	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/28/2013 0819			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.500	0.669	134	64 - 160	
4,4'-DDE	0.500	0.640	128	50 - 158	
4,4'-DDT	0.500	0.968	194	40 - 160	E *
Aldrin	0.500	0.585	117	47 - 152	
alpha-BHC	0.500	0.625	125	40 - 160	
beta-BHC	0.500	0.600	120	62 - 144	
alpha-Chlordane	0.500	0.603	121	53 - 142	
delta-BHC	0.500	0.585	117	40 - 160	
gamma-BHC (Lindane)	0.500	0.668	134	40 - 160	
gamma-Chlordane	0.500	0.620	124	56 - 158	
Dieldrin	0.500	0.625	125	59 - 158	
Endosulfan I	0.500	0.492	98	43 - 150	
Endosulfan II	0.500	0.669	134	48 - 144	
Endosulfan sulfate	0.500	0.737	147	61 - 154	
Endrin	0.500	0.762	152	57 - 149	*
Endrin aldehyde	0.500	0.634	127	40 - 155	
Endrin ketone	0.500	0.696	139	56 - 157	
Heptachlor	0.500	0.781	156	51 - 140	*
Heptachlor epoxide	0.500	0.619	124	60 - 156	
Methoxychlor	0.500	0.777	155	51 - 152	*

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	30 - 120
Tetrachloro-m-xylene	101	38 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	106	30 - 120
Tetrachloro-m-xylene	117	38 - 120

Client: EnSafe, Inc. Job Number: 240-30670-1

Preparation / Extraction Blank - Batch: 240-109089

Method: 8081B
Preparation: N/A

Lab Sample ID:	PB 240-109089/3	Analysis Batch:	240-109089	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3110903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/09/2013 1025	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
beta-BHC	ND		1.7	10
alpha-Chlordane	ND		2.8	10
delta-BHC	ND		1.7	10
gamma-BHC (Lindane)	ND		1.3	10
gamma-Chlordane	ND		2.4	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
Heptachlor	ND		1.6	10
Heptachlor epoxide	ND		1.4	10
Methoxychlor	ND		6.4	20
Toxaphene	ND		64	400

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

Client: EnSafe, Inc. Job Number: 240-30670-1

Preparation / Extraction Blank - Batch: 240-109089

Method: 8081B
Preparation: N/A

Lab Sample ID:	PB 240-109089/3	Analysis Batch:	240-109089	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3110903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/09/2013 1025	Units:	ug/L	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	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
beta-BHC	ND		1.7	10
alpha-Chlordane	ND		2.8	10
delta-BHC	ND		1.7	10
gamma-BHC (Lindane)	ND		1.3	10
gamma-Chlordane	ND		2.4	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
Heptachlor	ND		1.6	10
Heptachlor epoxide	ND		1.4	10
Methoxychlor	ND		6.4	20
Toxaphene	ND		64	400

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

Method Blank - Batch: 240-107321

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 240-107321/10-A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-107321	Lab File ID:	P1200015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/30/2013 1119	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/28/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A			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

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	109	35 - 137
DCB Decachlorobiphenyl	92	10 - 140

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	103	35 - 137
DCB Decachlorobiphenyl	107	10 - 140

Lab Control Sample - Batch: 240-107321

Method: 8082A
Preparation: 3510C

Lab Sample ID:	LCS 240-107321/11-A	Analysis Batch:	240-107662	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-107321	Lab File ID:	P1200016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/30/2013 1133	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/28/2013 0816			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.90	98	56 - 130	
Aroclor-1260	5.00	5.32	106	43 - 126	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	97	35 - 137
DCB Decachlorobiphenyl	72	10 - 140

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	93	35 - 137
DCB Decachlorobiphenyl	85	10 - 140

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107845

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-107845/1-A	Analysis Batch:	240-108547	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0804	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		3.2	15
Barium	1.01	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

Lab Control Sample - Batch: 240-107845

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-107845/2-A	Analysis Batch:	240-108547	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0808	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1990	100	80 - 120	
Barium	2000	1890	94	80 - 120	
Cadmium	50.0	49.3	99	80 - 120	
Chromium	200	193	97	80 - 120	
Lead	500	475	95	80 - 120	
Selenium	2000	2020	101	80 - 120	
Silver	50.0	49.2	98	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30670-1

Matrix Spike - Batch: 240-107845

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	240-30670-1	Analysis Batch:	240-108547	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0824	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	16	2000	2150	107	75 - 125	
Barium	200	2000	2160	98	75 - 125	
Cadmium	ND	50.0	51.8	104	75 - 125	
Chromium	ND	200	199	99	75 - 125	
Lead	ND	500	482	96	75 - 125	
Selenium	ND	2000	2130	107	75 - 125	
Silver	ND	50.0	52.6	105	75 - 125	

Duplicate - Batch: 240-107845

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	240-30670-1	Analysis Batch:	240-108547	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-107845	Lab File ID:	I9110513A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/05/2013 0820	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 0828				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	16	14.6	8	20	J
Barium	200	186	5	20	J
Cadmium	ND	ND	NC	20	
Chromium	ND	ND	NC	20	
Lead	ND	ND	NC	20	
Selenium	ND	ND	NC	20	
Silver	ND	ND	NC	20	

Client: EnSafe, Inc. Job Number: 240-30670-1

Method Blank - Batch: 240-107851

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-107851/1-A	Analysis Batch:	240-108226	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1611	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-107851

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-107851/2-A	Analysis Batch:	240-108226	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1612	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.52	90	81 - 123	

Matrix Spike - Batch: 240-107851

Method: 7470A
Preparation: 7470A

Lab Sample ID:	240-30670-1	Analysis Batch:	240-108226	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1617	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	ND	1.00	1.00	100	69 - 134	

Client: EnSafe, Inc. Job Number: 240-30670-1

Duplicate - Batch: 240-107851

Method: 7470A
Preparation: 7470A

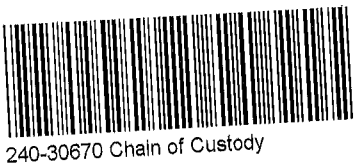
Lab Sample ID:	240-30670-1	Analysis Batch:	240-108226	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1615	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



4101 Shuffel Street, N.W. North Canton, OH 44720 · **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

1.8, 2.1, 1.0, 2.8, 3.0, 2.0

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

ENSAFE

EnSafe Inc.
800-588-7962

COC No. BC31023131 | Page 1 of 1

Project Name: UTC CARRIER | PO No. | Project No. 0888814332 Phase

Site Location: Syracuse, NY

Send Results To: Shane Goodnight

Sampler/Site Phone# Bryan Brister, Mike Spina /

Lab Name: Test America | Turnaround Time(specify): 21 Days

Sample Analysis Requested (*Enter number of containers for each test*)

(3)→ HA | — | — | — | NI

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	VOCs	BNAs	PESTs	PCBs	METALs	Extra Volume for MS/MSD	HOLD
	TR1VMW23G20131023	MW-23	10/23/13	0907	WG	N	N	10	3	2	2	2	1		
	TR1VMW24G20131023	MW-24	10/23/13	1029	WG	N	N	10	3	2	2	2	1		
	CARMW28G20131023	MW-23	10/23/13	1715	WG	N	N	10	3	2	2	2	1		
	CARMW34G20131024	MW-34	10/24/13	0815	WG	N	N	10	3	2	2	2	1		
	CARMW26G20131024	MW-26	10/24/13	0953	WG	N	N	10	3	2	2	2	1		
	CARMW37G20131024	MW-37	10/24/13	1140	WG	N	N	10	3	2	2	2	1		
	CARMW27G20131024	MW-27	10/24/13	1215	WG	N	N	10	3	2	2	2	1		
	CARMW39G20131024	MW-39	10/24/13	1430	WG	N	N	10	3	2	2	2	1		
	CARSSIPE04G20131024	SSIPE04	10/24/13	1448	WG	N	N	10	3	2	2	2	1		

Field **Comments:**

Lab **Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	10-24-13	17:30	[signature] TA Syr	10-24-13,	17:30
2	RE	10-24-13	1900	[signature]	10-25-13	920
3						

Samples Iced?(check) Yes ✓ No

Method of Shipment: Fed Ex

Airbill No:

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, **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 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, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

TestAmerica Canton Sample Receipt Form/Narrative Login # : 30670
Canton Facility

Client Ensafe Site Name _____ Cooler unpacked by: Derek W. Green

Cooler Received on 10-25-13 Opened on 10-25-13

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

TestAmerica Cooler # Multi 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 +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	☐ See Multiple Cooler Form
IR GUN# 4	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5	(CF +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF -0 °C) _____	Observed Cooler Temp. _____ °C	Corrected

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 6	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# HC385663
11. Were VOAs on the COC?	Yes	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	No NA
13. Was a trip blank present in the cooler(s)?	Yes	No

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

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: Derek W. Green

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # :_____

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
AG464	8	1.8	1.8	Ice
No #		2.1	2.1	
Client Coolers		1.0	1.0	
		2.8	2.8	
		3.0	3.0	
No #		2.0	2.0	

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
TR1VMW23G20131023	240-30670-D-1	Plastic 500ml - with Nitric Acid	<2		
TR1VMW24G20131023	240-30670-D-2	Plastic 500ml - with Nitric Acid	<2		
CARMW28G20131023	240-30670-D-3	Plastic 500ml - with Nitric Acid	<2		
CARMW34G20131024	240-30670-D-4	Plastic 500ml - with Nitric Acid	<2		
CARMW26G20131024	240-30670-D-5	Plastic 500ml - with Nitric Acid	<2		
CARMW37G20131024	240-30670-D-6	Plastic 500ml - with Nitric Acid	<2		
CARMW27G20131024	240-30670-D-7	Plastic 500ml - with Nitric Acid	<2		
CARMW39G20131024	240-30670-D-8	Plastic 500ml - with Nitric Acid	<2		
CARSSIPZ04G20131024	240-30670-D-9	Plastic 500ml - with Nitric Acid	<2		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

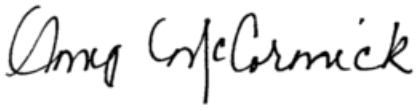
ANALYTICAL REPORT

Job Number: 240-30872-1

Job Description: Former TR-1 Sub-Slab 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
11/19/2013 12:55 PM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/19/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-30872-1

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.

PCBs associated with this job will be provided in reports 240-31199-1 and 240-31232-1 with the exception of sample CARFDPZ03H20131029 which was not resampled.

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 10/31/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.4, 1.6 and 1.8 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARDCDPZ03G20131029 (240-30872-1), CARTRIP102913 (240-30872-2), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARDCDPZ02G20131030 (240-30872-7), CARMW38G20131030 (240-30872-8) and CARMW40DG20131030 (240-30872-9) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 11/06/2013.

Samples CARDCDPZ03G20131029 (240-30872-1)[8.33X], CARFDPZ03G20131029 (240-30872-4)[1.67X], CARFDPZ03H20131029 (240-30872-5)[1.67X] and CARDCDPZ02G20131030 (240-30872-7)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Acetone was detected in method blank MB 240-108601/6 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.

Tetrachloroethene was detected in method blank MB 240-108727/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample for batch 108601 recovered outside control limits for Acetone. This has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The laboratory control sample for batch 108601 recovered outside control limits for multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 108601 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 108727 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected compounds. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled MRL) was analyzed and the affected compounds were detected; therefore, the data has been reported. No further corrective action was required. Xylenes, Total failed the recovery criteria low for MRL 240-108727/5. Trichlorofluoromethane failed the recovery criteria high.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARDCDPZ02G20131030 (240-30872-7), CARMW38G20131030 (240-30872-8) and CARMW40DG20131030 (240-30872-9) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 11/06/2013 and 11/08/2013 and analyzed on 11/07/2013 and 11/15/2013.

Due to a laboratory oversight, samples CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), and CARFDPZ04G20131029 (240-30872-6) were extracted outside the recommended sample holding times.

Di-n-butyl phthalate was detected in method blank MB 240-108574/10-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.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARDCDPZ02G20131030 (240-30872-7), CARMW38G20131030 (240-30872-8) and CARMW40DG20131030 (240-30872-9) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 11/01/2013 and analyzed on 11/11/2013.

Elevated reporting limits are provided for CARDCDPZ02G20131030 (240-30872-7), CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARMW38G20131030 (240-30872-8), and CARMW40DG20131030 (240-30872-9) due to limited sample volume.

The laboratory control sample (LCS) for batch 108045 recovered outside control limits for Methoxychlor. This analyte was biased high in the LCS and was not detected in samples CARDCDPZ02G20131030 (240-30872-7), CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARMW38G20131030 (240-30872-8), and CARMW40DG20131030 (240-30872-9); therefore, the data have been reported.

The opening continuing calibration verification (CCV) associated with batch 109145 recovered DDT and Methoxychlor above the upper control limit. Samples CARDCDPZ02G20131030 (240-30872-7), CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARMW38G20131030 (240-30872-8), and CARMW40DG20131030 (240-30872-9) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 109145 recovered DDT, Endrin Ketone, and Methoxychlor above the upper control limits. Samples CARDCDPZ02G20131030 (240-30872-7), CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARMW38G20131030 (240-30872-8), and CARMW40DG20131030 (240-30872-9) 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.

TOTAL RECOVERABLE METALS (ICP)

Samples CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARDCDPZ02G20131030 (240-30872-7), CARMW38G20131030 (240-30872-8) and CARMW40DG20131030 (240-30872-9) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/06/2013 and analyzed on 11/07/2013.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CARDCDPZ03G20131029 (240-30872-1), CARFDPZ01G20131029 (240-30872-3), CARFDPZ03G20131029 (240-30872-4), CARFDPZ03H20131029 (240-30872-5), CARFDPZ04G20131029 (240-30872-6), CARDCDPZ02G20131030 (240-30872-7), CARMW38G20131030 (240-30872-8) and CARMW40DG20131030 (240-30872-9) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/06/2013 and analyzed on 11/07/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30872-1	**CARDCDPZ03G20131029**					
Chloroethane		5.2	J	8.3	ug/L	8260C
cis-1,2-Dichloroethene		130		8.3	ug/L	8260C
1,2-Dichlorobenzene		1.2	J	8.3	ug/L	8260C
1,1-Dichloroethane		300		8.3	ug/L	8260C
1,2-Dichloroethane		2.9	J	8.3	ug/L	8260C
1,1-Dichloroethene		17		8.3	ug/L	8260C
Tetrachloroethene		2.5	J B	8.3	ug/L	8260C
trans-1,2-Dichloroethene		2.7	J	8.3	ug/L	8260C
1,1,1-Trichloroethane		2.8	J	8.3	ug/L	8260C
Trichloroethene		37		8.3	ug/L	8260C
Vinyl chloride		53		8.3	ug/L	8260C
2-Methylnaphthalene		0.34	H	0.21	ug/L	8270D
4-Chloro-3-methylphenol		35	H	2.1	ug/L	8270D
Di-n-butyl phthalate		4.2	H B	1.0	ug/L	8270D
Fluorene		0.31	H	0.21	ug/L	8270D
Naphthalene		4.9	H	0.21	ug/L	8270D
Total Recoverable						
Arsenic		5.1	J	15	ug/L	6010C
Barium		820		200	ug/L	6010C
Chromium		2.9	J	10	ug/L	6010C
240-30872-2	**CARTRIP102913**					
Tetrachloroethene		0.33	J B	1.0	ug/L	8260C
240-30872-3	**CARFDPZ01G20131029**					
Acetone		2.3	J B *	10	ug/L	8260C
Carbon disulfide		0.19	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.92	J	1.0	ug/L	8260C
Ethylbenzene		0.49	J	1.0	ug/L	8260C
Toluene		0.62	J	1.0	ug/L	8260C
Trichloroethene		3.6		1.0	ug/L	8260C
Trichlorofluoromethane		1.7		1.0	ug/L	8260C
Xylenes, Total		4.5		2.0	ug/L	8260C
Naphthalene		0.32	H	0.20	ug/L	8270D
Phenanthrene		0.32	H	0.20	ug/L	8270D
Total Recoverable						
Arsenic		3.7	J	15	ug/L	6010C
Barium		140	J	200	ug/L	6010C
Chromium		12		10	ug/L	6010C
Lead		3.6	J	10	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30872-4	**CARFDPZ03G20131029**					
cis-1,2-Dichloroethene		7.3		1.7	ug/L	8260C
Tetrachloroethene		0.67	J B	1.7	ug/L	8260C
Trichloroethene		60		1.7	ug/L	8260C
Di-n-butyl phthalate		2.6	H B	1.0	ug/L	8270D
Dieldrin		0.087	J	0.21	ug/L	8081B
Total Recoverable						
Barium		47	J	200	ug/L	6010C
240-30872-5	**CARFDPZ03H20131029**					
cis-1,2-Dichloroethene		8.0		1.7	ug/L	8260C
Tetrachloroethene		0.64	J B	1.7	ug/L	8260C
trans-1,2-Dichloroethene		0.39	J	1.7	ug/L	8260C
Trichloroethene		66		1.7	ug/L	8260C
Di-n-butyl phthalate		2.5	H B	1.0	ug/L	8270D
Total Recoverable						
Barium		47	J	200	ug/L	6010C
240-30872-6	**CARFDPZ04G20131029**					
Acetone		17		10	ug/L	8260C
2-Butanone (MEK)		4.3	J	10	ug/L	8260C
cis-1,2-Dichloroethene		4.1		1.0	ug/L	8260C
Tetrachloroethene		0.36	J B	1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.47	J	1.0	ug/L	8260C
Trichloroethene		9.4		1.0	ug/L	8260C
Trichlorofluoromethane		0.99	J	1.0	ug/L	8260C
Vinyl chloride		0.36	J	1.0	ug/L	8260C
Acenaphthene		0.32	H	0.21	ug/L	8270D
Carbazole		0.74	J H	1.0	ug/L	8270D
Di-n-butyl phthalate		2.6	H B	1.0	ug/L	8270D
Fluoranthene		0.23	H	0.21	ug/L	8270D
Fluorene		0.30	H	0.21	ug/L	8270D
Naphthalene		0.35	H	0.21	ug/L	8270D
Phenanthrene		0.92	H	0.21	ug/L	8270D
beta-BHC		0.059	J	0.20	ug/L	8081B
Total Recoverable						
Arsenic		10	J	15	ug/L	6010C
Barium		150	J	200	ug/L	6010C
Chromium		3.1	J	10	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30872-7	**CARDCDPZ02G20131030**					
cis-1,2-Dichloroethene		170		10	ug/L	8260C
1,1-Dichloroethane		110		10	ug/L	8260C
1,1-Dichloroethene		150		10	ug/L	8260C
Trichloroethene		330		10	ug/L	8260C
Vinyl chloride		43		10	ug/L	8260C
Di-n-butyl phthalate		2.5	B	1.0	ug/L	8270D
Naphthalene		0.24		0.21	ug/L	8270D
beta-BHC		0.14	J	0.19	ug/L	8081B
Total Recoverable						
Arsenic		7.5	J	15	ug/L	6010C
Barium		180	J	200	ug/L	6010C
Chromium		32		10	ug/L	6010C
Lead		9.1	J	10	ug/L	6010C
240-30872-8	**CARMW38G20131030**					
Chlorodibromomethane		0.25	J	1.0	ug/L	8260C
Chloroform		6.5		1.0	ug/L	8260C
cis-1,2-Dichloroethene		10		1.0	ug/L	8260C
Dichlorobromomethane		1.3		1.0	ug/L	8260C
1,1-Dichloroethene		0.36	J	1.0	ug/L	8260C
Tetrachloroethene		0.40	J B	1.0	ug/L	8260C
Trichloroethene		29		1.0	ug/L	8260C
Di-n-butyl phthalate		2.5	B	1.1	ug/L	8270D
4,4'-DDT		0.16	J	0.20	ug/L	8081B
Dieldrin		0.15	J	0.20	ug/L	8081B
Total Recoverable						
Arsenic		3.8	J	15	ug/L	6010C
Barium		75	J	200	ug/L	6010C
Chromium		5.1	J	10	ug/L	6010C
Lead		2.8	J	10	ug/L	6010C
240-30872-9	**CARMW40DG20131030**					
Tetrachloroethene		0.37	J B	1.0	ug/L	8260C
Di-n-butyl phthalate		2.6	B	1.0	ug/L	8270D
Total Recoverable						
Arsenic		12	J	15	ug/L	6010C
Barium		33	J	200	ug/L	6010C
Chromium		2.6	J	10	ug/L	6010C

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-30872-1

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
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: 240-30872-1

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1
SW846 8260C	Quayle, Rick	RJQ
SW846 8270D	Hula, Tom	TMH
SW846 8081B	Van Doren, Carolyn	CVD
SW846 6010C	Counts, Karen	KLC
SW846 7470A	Martin, Aaron	AMM2

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-30872-1	CARDCDPZ03G20131029	Water	10/29/2013 0856	10/31/2013 0920
240-30872-2	CARTRIP102913	Water	10/29/2013 1015	10/31/2013 0920
240-30872-3	CARFDPZ01G20131029	Water	10/29/2013 1129	10/31/2013 0920
240-30872-4	CARFDPZ03G20131029	Water	10/29/2013 1427	10/31/2013 0920
240-30872-5	CARFDPZ03H20131029	Water	10/29/2013 1427	10/31/2013 0920
240-30872-6	CARFDPZ04G20131029	Water	10/29/2013 1704	10/31/2013 0920
240-30872-7	CARDCDPZ02G20131030	Water	10/30/2013 0910	10/31/2013 0920
240-30872-8	CARMW38G20131030	Water	10/30/2013 1240	10/31/2013 0920
240-30872-9	CARMW40DG20131030	Water	10/30/2013 1521	10/31/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233614.D
Dilution:	8.333			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2344			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2344				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		9.2	83
Benzene	ND		1.1	8.3
Bromoform	ND		5.3	8.3
Bromomethane	ND		3.4	8.3
2-Butanone (MEK)	ND		4.7	83
Carbon disulfide	ND		1.1	8.3
Carbon tetrachloride	ND		1.1	8.3
Chlorobenzene	ND		1.2	8.3
Chlorodibromomethane	ND		1.5	8.3
Chloroethane	5.2	J	2.4	8.3
Chloroform	ND		1.3	8.3
Chloromethane	ND		2.5	8.3
cis-1,2-Dichloroethene	130		1.4	8.3
cis-1,3-Dichloropropene	ND		1.2	8.3
1,2-Dibromo-3-Chloropropane	ND		5.6	17
1,2-Dichlorobenzene	1.2	J	1.1	8.3
1,3-Dichlorobenzene	ND		1.2	8.3
1,4-Dichlorobenzene	ND		1.1	8.3
Dichlorobromomethane	ND		1.2	8.3
Dichlorodifluoromethane	ND		2.6	8.3
1,1-Dichloroethane	300		1.2	8.3
1,2-Dichloroethane	2.9	J	1.8	8.3
1,1-Dichloroethene	17		1.6	8.3
1,2-Dichloropropane	ND		1.5	8.3
Ethylbenzene	ND		1.4	8.3
Ethylene Dibromide	ND		2.0	8.3
2-Hexanone	ND		3.4	83
Isopropylbenzene	ND		1.1	8.3
Methylene Chloride	ND		2.7	8.3
4-Methyl-2-pentanone (MIBK)	ND		2.7	83
Methyl tert-butyl ether	ND		1.4	8.3
Styrene	ND		0.92	8.3
1,1,2,2-Tetrachloroethane	ND		1.5	8.3
Tetrachloroethene	2.5	J B	2.4	8.3
Toluene	ND		1.1	8.3
trans-1,2-Dichloroethene	2.7	J	1.6	8.3
trans-1,3-Dichloropropene	ND		1.6	8.3
1,2,4-Trichlorobenzene	ND		1.2	8.3
1,1,1-Trichloroethane	2.8	J	1.8	8.3
1,1,2-Trichloroethane	ND		2.2	8.3
Trichloroethene	37		1.4	8.3
Trichlorofluoromethane	ND		1.7	8.3
Vinyl chloride	53		1.8	8.3
Xylenes, Total	ND		1.2	17

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233614.D
Dilution:	8.333			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2344			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2344				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	111		66 - 117
Dibromofluoromethane (Surr)	121		75 - 121
1,2-Dichloroethane-d4 (Surr)	119		63 - 129
Toluene-d8 (Surr)	114		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233614.D
Dilution:	8.333			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2344			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2344				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARTRIP102913**

Lab Sample ID: 240-30872-2 Date Sampled: 10/29/2013 1015
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233607.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2058			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2058				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	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
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	0.33	J B	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARTRIP102913**

Lab Sample ID: 240-30872-2 Date Sampled: 10/29/2013 1015
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233607.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2058			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2058				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	102		66 - 117
Dibromofluoromethane (Surr)	105		75 - 121
1,2-Dichloroethane-d4 (Surr)	106		63 - 129
Toluene-d8 (Surr)	106		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARTRIP102913**

Lab Sample ID: 240-30872-2 Date Sampled: 10/29/2013 1015
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233607.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2058			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2058				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1487.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1856			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1856				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.3	J B *	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND	*	0.57	10
Carbon disulfide	0.19	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND	*	0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.92	J	0.17	1.0
cis-1,3-Dichloropropene	ND	*	0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND	*	0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	0.49	J	0.17	1.0
Ethylene Dibromide	ND	*	0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND	*	0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.62	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	3.6		0.17	1.0
Trichlorofluoromethane	1.7		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	4.5		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1487.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1856			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1856				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		66 - 117
Dibromofluoromethane (Surr)	101		75 - 121
1,2-Dichloroethane-d4 (Surr)	93		63 - 129
Toluene-d8 (Surr)	95		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM1487.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1856			Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1856				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233608.D
Dilution:	1.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2121			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2121				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.8	17
Benzene	ND		0.22	1.7
Bromoform	ND		1.1	1.7
Bromomethane	ND		0.68	1.7
2-Butanone (MEK)	ND		0.95	17
Carbon disulfide	ND		0.22	1.7
Carbon tetrachloride	ND		0.22	1.7
Chlorobenzene	ND		0.25	1.7
Chlorodibromomethane	ND		0.30	1.7
Chloroethane	ND		0.48	1.7
Chloroform	ND		0.27	1.7
Chloromethane	ND		0.50	1.7
cis-1,2-Dichloroethene	7.3		0.28	1.7
cis-1,3-Dichloropropene	ND		0.23	1.7
1,2-Dibromo-3-Chloropropane	ND		1.1	3.3
1,2-Dichlorobenzene	ND		0.22	1.7
1,3-Dichlorobenzene	ND		0.23	1.7
1,4-Dichlorobenzene	ND		0.22	1.7
Dichlorobromomethane	ND		0.25	1.7
Dichlorodifluoromethane	ND		0.52	1.7
1,1-Dichloroethane	ND		0.25	1.7
1,2-Dichloroethane	ND		0.37	1.7
1,1-Dichloroethene	ND		0.32	1.7
1,2-Dichloropropane	ND		0.30	1.7
Ethylbenzene	ND		0.28	1.7
Ethylene Dibromide	ND		0.40	1.7
2-Hexanone	ND		0.68	17
Isopropylbenzene	ND		0.22	1.7
Methylene Chloride	ND		0.55	1.7
4-Methyl-2-pentanone (MIBK)	ND		0.53	17
Methyl tert-butyl ether	ND		0.28	1.7
Styrene	ND		0.18	1.7
1,1,2,2-Tetrachloroethane	ND		0.30	1.7
Tetrachloroethene	0.67	J B	0.48	1.7
Toluene	ND		0.22	1.7
trans-1,2-Dichloroethene	ND		0.32	1.7
trans-1,3-Dichloropropene	ND		0.32	1.7
1,2,4-Trichlorobenzene	ND		0.25	1.7
1,1,1-Trichloroethane	ND		0.37	1.7
1,1,2-Trichloroethane	ND		0.45	1.7
Trichloroethene	60		0.28	1.7
Trichlorofluoromethane	ND		0.35	1.7
Vinyl chloride	ND		0.37	1.7
Xylenes, Total	ND		0.23	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233608.D
Dilution:	1.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2121			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2121				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	106		66 - 117
Dibromofluoromethane (Surr)	118		75 - 121
1,2-Dichloroethane-d4 (Surr)	119		63 - 129
Toluene-d8 (Surr)	112		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233608.D
Dilution:	1.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2121			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2121				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233609.D
Dilution:	1.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2145			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2145				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.8	17
Benzene	ND		0.22	1.7
Bromoform	ND		1.1	1.7
Bromomethane	ND		0.68	1.7
2-Butanone (MEK)	ND		0.95	17
Carbon disulfide	ND		0.22	1.7
Carbon tetrachloride	ND		0.22	1.7
Chlorobenzene	ND		0.25	1.7
Chlorodibromomethane	ND		0.30	1.7
Chloroethane	ND		0.48	1.7
Chloroform	ND		0.27	1.7
Chloromethane	ND		0.50	1.7
cis-1,2-Dichloroethene	8.0		0.28	1.7
cis-1,3-Dichloropropene	ND		0.23	1.7
1,2-Dibromo-3-Chloropropane	ND		1.1	3.3
1,2-Dichlorobenzene	ND		0.22	1.7
1,3-Dichlorobenzene	ND		0.23	1.7
1,4-Dichlorobenzene	ND		0.22	1.7
Dichlorobromomethane	ND		0.25	1.7
Dichlorodifluoromethane	ND		0.52	1.7
1,1-Dichloroethane	ND		0.25	1.7
1,2-Dichloroethane	ND		0.37	1.7
1,1-Dichloroethene	ND		0.32	1.7
1,2-Dichloropropane	ND		0.30	1.7
Ethylbenzene	ND		0.28	1.7
Ethylene Dibromide	ND		0.40	1.7
2-Hexanone	ND		0.68	17
Isopropylbenzene	ND		0.22	1.7
Methylene Chloride	ND		0.55	1.7
4-Methyl-2-pentanone (MIBK)	ND		0.53	17
Methyl tert-butyl ether	ND		0.28	1.7
Styrene	ND		0.18	1.7
1,1,2,2-Tetrachloroethane	ND		0.30	1.7
Tetrachloroethene	0.64	J B	0.48	1.7
Toluene	ND		0.22	1.7
trans-1,2-Dichloroethene	0.39	J	0.32	1.7
trans-1,3-Dichloropropene	ND		0.32	1.7
1,2,4-Trichlorobenzene	ND		0.25	1.7
1,1,1-Trichloroethane	ND		0.37	1.7
1,1,2-Trichloroethane	ND		0.45	1.7
Trichloroethene	66		0.28	1.7
Trichlorofluoromethane	ND		0.35	1.7
Vinyl chloride	ND		0.37	1.7
Xylenes, Total	ND		0.23	3.3

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233609.D
Dilution:	1.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2145			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2145				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	107		66 - 117
Dibromofluoromethane (Surr)	116		75 - 121
1,2-Dichloroethane-d4 (Surr)	117		63 - 129
Toluene-d8 (Surr)	113		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233609.D
Dilution:	1.67			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2145			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2145				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233610.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2207			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2207				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	17		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	4.3	J	0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	4.1		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	0.36	J B	0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.47	J	0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	9.4		0.17	1.0
Trichlorofluoromethane	0.99	J	0.21	1.0
Vinyl chloride	0.36	J	0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233610.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2207			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2207				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	103		66 - 117
Dibromofluoromethane (Surr)	114		75 - 121
1,2-Dichloroethane-d4 (Surr)	107		63 - 129
Toluene-d8 (Surr)	106		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233610.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2207			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2207				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233611.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2232			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2232				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		11	100
Benzene	ND		1.3	10
Bromoform	ND		6.4	10
Bromomethane	ND		4.1	10
2-Butanone (MEK)	ND		5.7	100
Carbon disulfide	ND		1.3	10
Carbon tetrachloride	ND		1.3	10
Chlorobenzene	ND		1.5	10
Chlorodibromomethane	ND		1.8	10
Chloroethane	ND		2.9	10
Chloroform	ND		1.6	10
Chloromethane	ND		3.0	10
cis-1,2-Dichloroethene	170		1.7	10
cis-1,3-Dichloropropene	ND		1.4	10
1,2-Dibromo-3-Chloropropane	ND		6.7	20
1,2-Dichlorobenzene	ND		1.3	10
1,3-Dichlorobenzene	ND		1.4	10
1,4-Dichlorobenzene	ND		1.3	10
Dichlorobromomethane	ND		1.5	10
Dichlorodifluoromethane	ND		3.1	10
1,1-Dichloroethane	110		1.5	10
1,2-Dichloroethane	ND		2.2	10
1,1-Dichloroethene	150		1.9	10
1,2-Dichloropropane	ND		1.8	10
Ethylbenzene	ND		1.7	10
Ethylene Dibromide	ND		2.4	10
2-Hexanone	ND		4.1	100
Isopropylbenzene	ND		1.3	10
Methylene Chloride	ND		3.3	10
4-Methyl-2-pentanone (MIBK)	ND		3.2	100
Methyl tert-butyl ether	ND		1.7	10
Styrene	ND		1.1	10
1,1,2,2-Tetrachloroethane	ND		1.8	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
1,2,4-Trichlorobenzene	ND		1.5	10
1,1,1-Trichloroethane	ND		2.2	10
1,1,2-Trichloroethane	ND		2.7	10
Trichloroethene	330		1.7	10
Trichlorofluoromethane	ND		2.1	10
Vinyl chloride	43		2.2	10
Xylenes, Total	ND		1.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233611.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2232			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2232				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	98		66 - 117
Dibromofluoromethane (Surr)	104		75 - 121
1,2-Dichloroethane-d4 (Surr)	103		63 - 129
Toluene-d8 (Surr)	100		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233611.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2232			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2232				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
590-50-1	2-Pentanone, 4,4-dimethyl-	7.33	200	T J N

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233612.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2256			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2256				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	0.25	J	0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	6.5		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	10		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	1.3		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	0.36	J	0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	0.40	J B	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	29		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233612.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2256			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2256				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	105		66 - 117
Dibromofluoromethane (Surr)	111		75 - 121
1,2-Dichloroethane-d4 (Surr)	111		63 - 129
Toluene-d8 (Surr)	109		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233612.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2256			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2256				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233613.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2321			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2321				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	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
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	0.37	J B	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233613.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2321			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2321				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		66 - 117
Dibromofluoromethane (Surr)	113		75 - 121
1,2-Dichloroethane-d4 (Surr)	111		63 - 129
Toluene-d8 (Surr)	106		74 - 115

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	U1233613.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2321			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2321				

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

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107019.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1453			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND	H	1.4	5.2
2,4,5-Trichlorophenol	ND	H	1.9	5.2
2,4-Dichlorophenol	ND	H	1.5	2.1
2,4-Dimethylphenol	ND	H	1.6	2.1
2,4-Dinitrophenol	ND	H	32	42
2,4-Dinitrotoluene	ND	H	1.3	5.2
2-Chlorophenol	ND	H	0.69	1.0
2-Methylnaphthalene	0.34	H	0.19	0.21
2-Methylphenol	ND	H	0.98	1.0
2-Nitroaniline	ND	H	1.6	2.1
2-Nitrophenol	ND	H	1.1	2.1
3 & 4 Methylphenol	ND	H	1.8	2.1
3,3'-Dichlorobenzidine	ND	H	1.8	5.2
3-Nitroaniline	ND	H	1.4	2.1
4,6-Dinitro-2-methylphenol	ND	H	2.7	5.2
4-Bromophenyl phenyl ether	ND	H	1.8	2.1
4-Chloro-3-methylphenol	35	H	1.5	2.1
4-Chloroaniline	ND	H	0.78	2.1
4-Chlorophenyl phenyl ether	ND	H	1.5	2.1
4-Nitroaniline	ND	H	1.3	2.1
Acenaphthene	ND	H	0.23	0.21
Acenaphthylene	ND	H	0.10	0.21
Acetophenone	ND	H	0.73	1.0
Anthracene	ND	H	0.16	0.21
Benzo[a]anthracene	ND	H	0.31	0.21
Benzo[a]pyrene	ND	H	0.16	0.21
Benzo[b]fluoranthene	ND	H	0.31	0.21
Benzo[g,h,i]perylene	ND	H	0.26	0.21
Benzo[k]fluoranthene	ND	H	0.25	0.21
Bis(2-chloroethoxy)methane	ND	H	0.19	1.0
Bis(2-chloroethyl)ether	ND	H	0.99	1.0
Bis(2-ethylhexyl) phthalate	ND	H	7.9	2.1
Butyl benzyl phthalate	ND	H	1.1	1.0
Carbazole	ND	H	0.55	1.0
Chrysene	ND	H	0.18	0.21
Di-n-butyl phthalate	4.2	H B	2.1	1.0
Di-n-octyl phthalate	ND	H	1.9	1.0
Dibenz(a,h)anthracene	ND	H	0.21	0.21
Dibenzofuran	ND	H	0.71	1.0
Diethyl phthalate	ND	H	0.65	1.0
Dimethyl phthalate	ND	H	0.53	1.0
Fluoranthene	ND	H	0.14	0.21
Fluorene	0.31	H	0.18	0.21
Hexachlorobenzene	ND	H	0.60	1.0
Hexachlorobutadiene	ND	H	0.73	1.0
Hexachlorocyclopentadiene	ND	H	13	10

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107019.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1453			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND	H	1.1	1.0
Indeno[1,2,3-cd]pyrene	ND	H	0.25	0.21
Isophorone	ND	H	0.22	1.0
N-Nitrosodi-n-propylamine	ND	H	0.83	1.0
N-Nitrosodiphenylamine	ND	H	0.58	1.0
Naphthalene	4.9	H	0.22	0.21
Nitrobenzene	ND	H	0.61	1.0
Pentachlorophenol	ND	H	28	42
Phenanthrene	ND	H	0.16	0.21
Phenol	ND	H	0.78	1.0
Pyrene	ND	H	0.15	0.21
bis (2-chloroisopropyl) ether	ND	H	0.95	1.0
2,6-Dinitrotoluene	ND	H	1.2	5.2
4-Nitrophenol	ND	H	3.1	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	88		31 - 115
Phenol-d5 (Surr)	46		10 - 110
Nitrobenzene-d5 (Surr)	68		31 - 110
2-Fluorophenol (Surr)	61		15 - 110
2-Fluorobiphenyl (Surr)	64		29 - 110
2,4,6-Tribromophenol (Surr)	81		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108951	Lab File ID:	1115016.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1533			Final Weight/Volume:	5 mL
Prep Date:	11/08/2013 0829			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND	H	1.3	5.0
2,4,5-Trichlorophenol	ND	H	1.8	5.0
2,4-Dichlorophenol	ND	H	1.5	2.0
2,4-Dimethylphenol	ND	H	1.6	2.0
2,4-Dinitrophenol	ND	H	31	40
2,4-Dinitrotoluene	ND	H	1.3	5.0
2-Chlorophenol	ND	H	0.66	1.0
2-Methylnaphthalene	ND	H	0.19	0.20
2-Methylphenol	ND	H	0.94	1.0
2-Nitroaniline	ND	H	1.5	2.0
2-Nitrophenol	ND	H	1.0	2.0
3 & 4 Methylphenol	ND	H	1.7	2.0
3,3'-Dichlorobenzidine	ND	H	1.8	5.0
3-Nitroaniline	ND	H	1.3	2.0
4,6-Dinitro-2-methylphenol	ND	H	2.6	5.0
4-Bromophenyl phenyl ether	ND	H	1.7	2.0
4-Chloro-3-methylphenol	ND	H	1.4	2.0
4-Chloroaniline	ND	H	0.75	2.0
4-Chlorophenyl phenyl ether	ND	H	1.5	2.0
4-Nitroaniline	ND	H	1.2	2.0
Acenaphthene	ND	H	0.22	0.20
Acenaphthylene	ND	H	0.10	0.20
Acetophenone	ND	H	0.70	1.0
Anthracene	ND	H	0.16	0.20
Benzo[a]anthracene	ND	H	0.30	0.20
Benzo[a]pyrene	ND	H	0.15	0.20
Benzo[b]fluoranthene	ND	H	0.30	0.20
Benzo[g,h,i]perylene	ND	H	0.25	0.20
Benzo[k]fluoranthene	ND	H	0.24	0.20
Bis(2-chloroethoxy)methane	ND	H	0.19	1.0
Bis(2-chloroethyl)ether	ND	H	0.95	1.0
Bis(2-ethylhexyl) phthalate	ND	H	7.6	2.0
Butyl benzyl phthalate	ND	H	1.1	1.0
Carbazole	ND	H	0.53	1.0
Chrysene	ND	H	0.18	0.20
Di-n-butyl phthalate	ND	H	2.0	1.0
Di-n-octyl phthalate	ND	H	1.8	1.0
Dibenz(a,h)anthracene	ND	H	0.20	0.20
Dibenzofuran	ND	H	0.69	1.0
Diethyl phthalate	ND	H	0.63	1.0
Dimethyl phthalate	ND	H	0.51	1.0
Fluoranthene	ND	H	0.14	0.20
Fluorene	ND	H	0.17	0.20
Hexachlorobenzene	ND	H	0.58	1.0
Hexachlorobutadiene	ND	H	0.71	1.0
Hexachlorocyclopentadiene	ND	H	12	10

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108951	Lab File ID:	1115016.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1533			Final Weight/Volume:	5 mL
Prep Date:	11/08/2013 0829			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND	H	1.1	1.0
Indeno[1,2,3-cd]pyrene	ND	H	0.24	0.20
Isophorone	ND	H	0.21	1.0
N-Nitrosodi-n-propylamine	ND	H	0.80	1.0
N-Nitrosodiphenylamine	ND	H	0.56	1.0
Naphthalene	0.32	H	0.22	0.20
Nitrobenzene	ND	H	0.59	1.0
Pentachlorophenol	ND	H	27	40
Phenanthrene	0.32	H	0.16	0.20
Phenol	ND	H	0.75	1.0
Pyrene	ND	H	0.14	0.20
bis (2-chloroisopropyl) ether	ND	H	0.92	1.0
2,6-Dinitrotoluene	ND	H	1.2	5.0
4-Nitrophenol	ND	H	2.9	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	83		31 - 115
Phenol-d5 (Surr)	41		10 - 110
Nitrobenzene-d5 (Surr)	78		31 - 110
2-Fluorophenol (Surr)	61		15 - 110
2-Fluorobiphenyl (Surr)	72		29 - 110
2,4,6-Tribromophenol (Surr)	72		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107020.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1515			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND	H	1.4	5.2
2,4,5-Trichlorophenol	ND	H	1.9	5.2
2,4-Dichlorophenol	ND	H	1.5	2.1
2,4-Dimethylphenol	ND	H	1.6	2.1
2,4-Dinitrophenol	ND	H	32	42
2,4-Dinitrotoluene	ND	H	1.3	5.2
2-Chlorophenol	ND	H	0.69	1.0
2-Methylnaphthalene	ND	H	0.19	0.21
2-Methylphenol	ND	H	0.98	1.0
2-Nitroaniline	ND	H	1.6	2.1
2-Nitrophenol	ND	H	1.1	2.1
3 & 4 Methylphenol	ND	H	1.8	2.1
3,3'-Dichlorobenzidine	ND	H	1.8	5.2
3-Nitroaniline	ND	H	1.4	2.1
4,6-Dinitro-2-methylphenol	ND	H	2.7	5.2
4-Bromophenyl phenyl ether	ND	H	1.8	2.1
4-Chloro-3-methylphenol	ND	H	1.5	2.1
4-Chloroaniline	ND	H	0.78	2.1
4-Chlorophenyl phenyl ether	ND	H	1.5	2.1
4-Nitroaniline	ND	H	1.3	2.1
Acenaphthene	ND	H	0.23	0.21
Acenaphthylene	ND	H	0.10	0.21
Acetophenone	ND	H	0.73	1.0
Anthracene	ND	H	0.16	0.21
Benzo[a]anthracene	ND	H	0.31	0.21
Benzo[a]pyrene	ND	H	0.16	0.21
Benzo[b]fluoranthene	ND	H	0.31	0.21
Benzo[g,h,i]perylene	ND	H	0.26	0.21
Benzo[k]fluoranthene	ND	H	0.25	0.21
Bis(2-chloroethoxy)methane	ND	H	0.19	1.0
Bis(2-chloroethyl)ether	ND	H	0.99	1.0
Bis(2-ethylhexyl) phthalate	ND	H	7.9	2.1
Butyl benzyl phthalate	ND	H	1.1	1.0
Carbazole	ND	H	0.55	1.0
Chrysene	ND	H	0.18	0.21
Di-n-butyl phthalate	2.6	H B	2.1	1.0
Di-n-octyl phthalate	ND	H	1.9	1.0
Dibenz(a,h)anthracene	ND	H	0.21	0.21
Dibenzofuran	ND	H	0.71	1.0
Diethyl phthalate	ND	H	0.65	1.0
Dimethyl phthalate	ND	H	0.53	1.0
Fluoranthene	ND	H	0.14	0.21
Fluorene	ND	H	0.18	0.21
Hexachlorobenzene	ND	H	0.60	1.0
Hexachlorobutadiene	ND	H	0.73	1.0
Hexachlorocyclopentadiene	ND	H	13	10

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107020.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1515			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND	H	1.1	1.0
Indeno[1,2,3-cd]pyrene	ND	H	0.25	0.21
Isophorone	ND	H	0.22	1.0
N-Nitrosodi-n-propylamine	ND	H	0.83	1.0
N-Nitrosodiphenylamine	ND	H	0.58	1.0
Naphthalene	ND	H	0.22	0.21
Nitrobenzene	ND	H	0.61	1.0
Pentachlorophenol	ND	H	28	42
Phenanthrene	ND	H	0.16	0.21
Phenol	ND	H	0.78	1.0
Pyrene	ND	H	0.15	0.21
bis (2-chloroisopropyl) ether	ND	H	0.95	1.0
2,6-Dinitrotoluene	ND	H	1.2	5.2
4-Nitrophenol	ND	H	3.1	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	80		31 - 115
Phenol-d5 (Surr)	42		10 - 110
Nitrobenzene-d5 (Surr)	59		31 - 110
2-Fluorophenol (Surr)	55		15 - 110
2-Fluorobiphenyl (Surr)	55		29 - 110
2,4,6-Tribromophenol (Surr)	63		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107021.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1537			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND	H	1.4	5.2
2,4,5-Trichlorophenol	ND	H	1.9	5.2
2,4-Dichlorophenol	ND	H	1.5	2.1
2,4-Dimethylphenol	ND	H	1.6	2.1
2,4-Dinitrophenol	ND	H	32	42
2,4-Dinitrotoluene	ND	H	1.3	5.2
2-Chlorophenol	ND	H	0.69	1.0
2-Methylnaphthalene	ND	H	0.19	0.21
2-Methylphenol	ND	H	0.98	1.0
2-Nitroaniline	ND	H	1.6	2.1
2-Nitrophenol	ND	H	1.1	2.1
3 & 4 Methylphenol	ND	H	1.8	2.1
3,3'-Dichlorobenzidine	ND	H	1.8	5.2
3-Nitroaniline	ND	H	1.4	2.1
4,6-Dinitro-2-methylphenol	ND	H	2.7	5.2
4-Bromophenyl phenyl ether	ND	H	1.8	2.1
4-Chloro-3-methylphenol	ND	H	1.5	2.1
4-Chloroaniline	ND	H	0.78	2.1
4-Chlorophenyl phenyl ether	ND	H	1.5	2.1
4-Nitroaniline	ND	H	1.3	2.1
Acenaphthene	ND	H	0.23	0.21
Acenaphthylene	ND	H	0.10	0.21
Acetophenone	ND	H	0.73	1.0
Anthracene	ND	H	0.16	0.21
Benzo[a]anthracene	ND	H	0.31	0.21
Benzo[a]pyrene	ND	H	0.16	0.21
Benzo[b]fluoranthene	ND	H	0.31	0.21
Benzo[g,h,i]perylene	ND	H	0.26	0.21
Benzo[k]fluoranthene	ND	H	0.25	0.21
Bis(2-chloroethoxy)methane	ND	H	0.19	1.0
Bis(2-chloroethyl)ether	ND	H	0.99	1.0
Bis(2-ethylhexyl) phthalate	ND	H	7.9	2.1
Butyl benzyl phthalate	ND	H	1.1	1.0
Carbazole	ND	H	0.55	1.0
Chrysene	ND	H	0.18	0.21
Di-n-butyl phthalate	2.5	H B	2.1	1.0
Di-n-octyl phthalate	ND	H	1.9	1.0
Dibenz(a,h)anthracene	ND	H	0.21	0.21
Dibenzofuran	ND	H	0.71	1.0
Diethyl phthalate	ND	H	0.65	1.0
Dimethyl phthalate	ND	H	0.53	1.0
Fluoranthene	ND	H	0.14	0.21
Fluorene	ND	H	0.18	0.21
Hexachlorobenzene	ND	H	0.60	1.0
Hexachlorobutadiene	ND	H	0.73	1.0
Hexachlorocyclopentadiene	ND	H	13	10

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107021.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1537			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND	H	1.1	1.0
Indeno[1,2,3-cd]pyrene	ND	H	0.25	0.21
Isophorone	ND	H	0.22	1.0
N-Nitrosodi-n-propylamine	ND	H	0.83	1.0
N-Nitrosodiphenylamine	ND	H	0.58	1.0
Naphthalene	ND	H	0.22	0.21
Nitrobenzene	ND	H	0.61	1.0
Pentachlorophenol	ND	H	28	42
Phenanthrene	ND	H	0.16	0.21
Phenol	ND	H	0.78	1.0
Pyrene	ND	H	0.15	0.21
bis (2-chloroisopropyl) ether	ND	H	0.95	1.0
2,6-Dinitrotoluene	ND	H	1.2	5.2
4-Nitrophenol	ND	H	3.1	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	89		31 - 115
Phenol-d5 (Surr)	45		10 - 110
Nitrobenzene-d5 (Surr)	77		31 - 110
2-Fluorophenol (Surr)	61		15 - 110
2-Fluorobiphenyl (Surr)	68		29 - 110
2,4,6-Tribromophenol (Surr)	77		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107022.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1559			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND	H	1.4	5.2
2,4,5-Trichlorophenol	ND	H	1.9	5.2
2,4-Dichlorophenol	ND	H	1.5	2.1
2,4-Dimethylphenol	ND	H	1.6	2.1
2,4-Dinitrophenol	ND	H	32	42
2,4-Dinitrotoluene	ND	H	1.3	5.2
2-Chlorophenol	ND	H	0.69	1.0
2-Methylnaphthalene	ND	H	0.19	0.21
2-Methylphenol	ND	H	0.98	1.0
2-Nitroaniline	ND	H	1.6	2.1
2-Nitrophenol	ND	H	1.1	2.1
3 & 4 Methylphenol	ND	H	1.8	2.1
3,3'-Dichlorobenzidine	ND	H	1.8	5.2
3-Nitroaniline	ND	H	1.4	2.1
4,6-Dinitro-2-methylphenol	ND	H	2.7	5.2
4-Bromophenyl phenyl ether	ND	H	1.8	2.1
4-Chloro-3-methylphenol	ND	H	1.5	2.1
4-Chloroaniline	ND	H	0.78	2.1
4-Chlorophenyl phenyl ether	ND	H	1.5	2.1
4-Nitroaniline	ND	H	1.3	2.1
Acenaphthene	0.32	H	0.23	0.21
Acenaphthylene	ND	H	0.10	0.21
Acetophenone	ND	H	0.73	1.0
Anthracene	ND	H	0.16	0.21
Benzo[a]anthracene	ND	H	0.31	0.21
Benzo[a]pyrene	ND	H	0.16	0.21
Benzo[b]fluoranthene	ND	H	0.31	0.21
Benzo[g,h,i]perylene	ND	H	0.26	0.21
Benzo[k]fluoranthene	ND	H	0.25	0.21
Bis(2-chloroethoxy)methane	ND	H	0.19	1.0
Bis(2-chloroethyl)ether	ND	H	0.99	1.0
Bis(2-ethylhexyl) phthalate	ND	H	7.9	2.1
Butyl benzyl phthalate	ND	H	1.1	1.0
Carbazole	0.74	J H	0.55	1.0
Chrysene	ND	H	0.18	0.21
Di-n-butyl phthalate	2.6	H B	2.1	1.0
Di-n-octyl phthalate	ND	H	1.9	1.0
Dibenz(a,h)anthracene	ND	H	0.21	0.21
Dibenzofuran	ND	H	0.71	1.0
Diethyl phthalate	ND	H	0.65	1.0
Dimethyl phthalate	ND	H	0.53	1.0
Fluoranthene	0.23	H	0.14	0.21
Fluorene	0.30	H	0.18	0.21
Hexachlorobenzene	ND	H	0.60	1.0
Hexachlorobutadiene	ND	H	0.73	1.0
Hexachlorocyclopentadiene	ND	H	13	10

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107022.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1559			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND	H	1.1	1.0
Indeno[1,2,3-cd]pyrene	ND	H	0.25	0.21
Isophorone	ND	H	0.22	1.0
N-Nitrosodi-n-propylamine	ND	H	0.83	1.0
N-Nitrosodiphenylamine	ND	H	0.58	1.0
Naphthalene	0.35	H	0.22	0.21
Nitrobenzene	ND	H	0.61	1.0
Pentachlorophenol	ND	H	28	42
Phenanthrene	0.92	H	0.16	0.21
Phenol	ND	H	0.78	1.0
Pyrene	ND	H	0.15	0.21
bis (2-chloroisopropyl) ether	ND	H	0.95	1.0
2,6-Dinitrotoluene	ND	H	1.2	5.2
4-Nitrophenol	ND	H	3.1	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	78		31 - 115
Phenol-d5 (Surr)	40		10 - 110
Nitrobenzene-d5 (Surr)	66		31 - 110
2-Fluorophenol (Surr)	54		15 - 110
2-Fluorobiphenyl (Surr)	60		29 - 110
2,4,6-Tribromophenol (Surr)	61		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107023.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1622			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		1.4	5.2
2,4,5-Trichlorophenol	ND		1.9	5.2
2,4-Dichlorophenol	ND		1.5	2.1
2,4-Dimethylphenol	ND		1.6	2.1
2,4-Dinitrophenol	ND		32	42
2,4-Dinitrotoluene	ND		1.3	5.2
2-Chlorophenol	ND		0.69	1.0
2-Methylnaphthalene	ND		0.19	0.21
2-Methylphenol	ND		0.98	1.0
2-Nitroaniline	ND		1.6	2.1
2-Nitrophenol	ND		1.1	2.1
3 & 4 Methylphenol	ND		1.8	2.1
3,3'-Dichlorobenzidine	ND		1.8	5.2
3-Nitroaniline	ND		1.4	2.1
4,6-Dinitro-2-methylphenol	ND		2.7	5.2
4-Bromophenyl phenyl ether	ND		1.8	2.1
4-Chloro-3-methylphenol	ND		1.5	2.1
4-Chloroaniline	ND		0.78	2.1
4-Chlorophenyl phenyl ether	ND		1.5	2.1
4-Nitroaniline	ND		1.3	2.1
Acenaphthene	ND		0.23	0.21
Acenaphthylene	ND		0.10	0.21
Acetophenone	ND		0.73	1.0
Anthracene	ND		0.16	0.21
Benzo[a]anthracene	ND		0.31	0.21
Benzo[a]pyrene	ND		0.16	0.21
Benzo[b]fluoranthene	ND		0.31	0.21
Benzo[g,h,i]perylene	ND		0.26	0.21
Benzo[k]fluoranthene	ND		0.25	0.21
Bis(2-chloroethoxy)methane	ND		0.19	1.0
Bis(2-chloroethyl)ether	ND		0.99	1.0
Bis(2-ethylhexyl) phthalate	ND		7.9	2.1
Butyl benzyl phthalate	ND		1.1	1.0
Carbazole	ND		0.55	1.0
Chrysene	ND		0.18	0.21
Di-n-butyl phthalate	2.5	B	2.1	1.0
Di-n-octyl phthalate	ND		1.9	1.0
Dibenz(a,h)anthracene	ND		0.21	0.21
Dibenzofuran	ND		0.71	1.0
Diethyl phthalate	ND		0.65	1.0
Dimethyl phthalate	ND		0.53	1.0
Fluoranthene	ND		0.14	0.21
Fluorene	ND		0.18	0.21
Hexachlorobenzene	ND		0.60	1.0
Hexachlorobutadiene	ND		0.73	1.0
Hexachlorocyclopentadiene	ND		13	10

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107023.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1622			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		1.1	1.0
Indeno[1,2,3-cd]pyrene	ND		0.25	0.21
Isophorone	ND		0.22	1.0
N-Nitrosodi-n-propylamine	ND		0.83	1.0
N-Nitrosodiphenylamine	ND		0.58	1.0
Naphthalene	0.24		0.22	0.21
Nitrobenzene	ND		0.61	1.0
Pentachlorophenol	ND		28	42
Phenanthrene	ND		0.16	0.21
Phenol	ND		0.78	1.0
Pyrene	ND		0.15	0.21
bis (2-chloroisopropyl) ether	ND		0.95	1.0
2,6-Dinitrotoluene	ND		1.2	5.2
4-Nitrophenol	ND		3.1	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	78		31 - 115
Phenol-d5 (Surr)	45		10 - 110
Nitrobenzene-d5 (Surr)	71		31 - 110
2-Fluorophenol (Surr)	59		15 - 110
2-Fluorobiphenyl (Surr)	68		29 - 110
2,4,6-Tribromophenol (Surr)	73		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107024.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	11/07/2013 1644			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		1.4	5.4
2,4,5-Trichlorophenol	ND		2.0	5.4
2,4-Dichlorophenol	ND		1.6	2.2
2,4-Dimethylphenol	ND		1.7	2.2
2,4-Dinitrophenol	ND		33	43
2,4-Dinitrotoluene	ND		1.4	5.4
2-Chlorophenol	ND		0.72	1.1
2-Methylnaphthalene	ND		0.20	0.22
2-Methylphenol	ND		1.0	1.1
2-Nitroaniline	ND		1.7	2.2
2-Nitrophenol	ND		1.1	2.2
3 & 4 Methylphenol	ND		1.8	2.2
3,3'-Dichlorobenzidine	ND		1.9	5.4
3-Nitroaniline	ND		1.4	2.2
4,6-Dinitro-2-methylphenol	ND		2.9	5.4
4-Bromophenyl phenyl ether	ND		1.9	2.2
4-Chloro-3-methylphenol	ND		1.5	2.2
4-Chloroaniline	ND		0.81	2.2
4-Chlorophenyl phenyl ether	ND		1.6	2.2
4-Nitroaniline	ND		1.3	2.2
Acenaphthene	ND		0.24	0.22
Acenaphthylene	ND		0.11	0.22
Acetophenone	ND		0.76	1.1
Anthracene	ND		0.17	0.22
Benzo[a]anthracene	ND		0.32	0.22
Benzo[a]pyrene	ND		0.16	0.22
Benzo[b]fluoranthene	ND		0.32	0.22
Benzo[g,h,i]perylene	ND		0.27	0.22
Benzo[k]fluoranthene	ND		0.26	0.22
Bis(2-chloroethoxy)methane	ND		0.20	1.1
Bis(2-chloroethyl)ether	ND		1.0	1.1
Bis(2-ethylhexyl) phthalate	ND		8.3	2.2
Butyl benzyl phthalate	ND		1.2	1.1
Carbazole	ND		0.57	1.1
Chrysene	ND		0.19	0.22
Di-n-butyl phthalate	2.5	B	2.2	1.1
Di-n-octyl phthalate	ND		2.0	1.1
Dibenz(a,h)anthracene	ND		0.22	0.22
Dibenzofuran	ND		0.74	1.1
Diethyl phthalate	ND		0.68	1.1
Dimethyl phthalate	ND		0.55	1.1
Fluoranthene	ND		0.15	0.22
Fluorene	ND		0.18	0.22
Hexachlorobenzene	ND		0.63	1.1
Hexachlorobutadiene	ND		0.77	1.1
Hexachlorocyclopentadiene	ND		13	11

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107024.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	11/07/2013 1644			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		1.2	1.1
Indeno[1,2,3-cd]pyrene	ND		0.26	0.22
Isophorone	ND		0.23	1.1
N-Nitrosodi-n-propylamine	ND		0.86	1.1
N-Nitrosodiphenylamine	ND		0.61	1.1
Naphthalene	ND		0.23	0.22
Nitrobenzene	ND		0.64	1.1
Pentachlorophenol	ND		30	43
Phenanthrene	ND		0.17	0.22
Phenol	ND		0.82	1.1
Pyrene	ND		0.15	0.22
bis (2-chloroisopropyl) ether	ND		0.99	1.1
2,6-Dinitrotoluene	ND		1.3	5.4
4-Nitrophenol	ND		3.2	5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	93		31 - 115
Phenol-d5 (Surr)	51		10 - 110
Nitrobenzene-d5 (Surr)	78		31 - 110
2-Fluorophenol (Surr)	66		15 - 110
2-Fluorobiphenyl (Surr)	72		29 - 110
2,4,6-Tribromophenol (Surr)	77		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107025.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1706			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		1.4	5.2
2,4,5-Trichlorophenol	ND		1.9	5.2
2,4-Dichlorophenol	ND		1.5	2.1
2,4-Dimethylphenol	ND		1.6	2.1
2,4-Dinitrophenol	ND		32	42
2,4-Dinitrotoluene	ND		1.3	5.2
2-Chlorophenol	ND		0.69	1.0
2-Methylnaphthalene	ND		0.19	0.21
2-Methylphenol	ND		0.98	1.0
2-Nitroaniline	ND		1.6	2.1
2-Nitrophenol	ND		1.1	2.1
3 & 4 Methylphenol	ND		1.8	2.1
3,3'-Dichlorobenzidine	ND		1.8	5.2
3-Nitroaniline	ND		1.4	2.1
4,6-Dinitro-2-methylphenol	ND		2.7	5.2
4-Bromophenyl phenyl ether	ND		1.8	2.1
4-Chloro-3-methylphenol	ND		1.5	2.1
4-Chloroaniline	ND		0.78	2.1
4-Chlorophenyl phenyl ether	ND		1.5	2.1
4-Nitroaniline	ND		1.3	2.1
Acenaphthene	ND		0.23	0.21
Acenaphthylene	ND		0.10	0.21
Acetophenone	ND		0.73	1.0
Anthracene	ND		0.16	0.21
Benzo[a]anthracene	ND		0.31	0.21
Benzo[a]pyrene	ND		0.16	0.21
Benzo[b]fluoranthene	ND		0.31	0.21
Benzo[g,h,i]perylene	ND		0.26	0.21
Benzo[k]fluoranthene	ND		0.25	0.21
Bis(2-chloroethoxy)methane	ND		0.19	1.0
Bis(2-chloroethyl)ether	ND		0.99	1.0
Bis(2-ethylhexyl) phthalate	ND		7.9	2.1
Butyl benzyl phthalate	ND		1.1	1.0
Carbazole	ND		0.55	1.0
Chrysene	ND		0.18	0.21
Di-n-butyl phthalate	2.6	B	2.1	1.0
Di-n-octyl phthalate	ND		1.9	1.0
Dibenz(a,h)anthracene	ND		0.21	0.21
Dibenzofuran	ND		0.71	1.0
Diethyl phthalate	ND		0.65	1.0
Dimethyl phthalate	ND		0.53	1.0
Fluoranthene	ND		0.14	0.21
Fluorene	ND		0.18	0.21
Hexachlorobenzene	ND		0.60	1.0
Hexachlorobutadiene	ND		0.73	1.0
Hexachlorocyclopentadiene	ND		13	10

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-108574	Lab File ID:	1107025.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/07/2013 1706			Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		1.1	1.0
Indeno[1,2,3-cd]pyrene	ND		0.25	0.21
Isophorone	ND		0.22	1.0
N-Nitrosodi-n-propylamine	ND		0.83	1.0
N-Nitrosodiphenylamine	ND		0.58	1.0
Naphthalene	ND		0.22	0.21
Nitrobenzene	ND		0.61	1.0
Pentachlorophenol	ND		28	42
Phenanthrene	ND		0.16	0.21
Phenol	ND		0.78	1.0
Pyrene	ND		0.15	0.21
bis (2-chloroisopropyl) ether	ND		0.95	1.0
2,6-Dinitrotoluene	ND		1.2	5.2
4-Nitrophenol	ND		3.1	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	93		31 - 115
Phenol-d5 (Surr)	38		10 - 110
Nitrobenzene-d5 (Surr)	57		31 - 110
2-Fluorophenol (Surr)	49		15 - 110
2-Fluorobiphenyl (Surr)	50		29 - 110
2,4,6-Tribromophenol (Surr)	57		21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0856			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.033	0.20
alpha-BHC	ND		0.028	0.20
alpha-Chlordane	ND		0.056	0.20
beta-BHC	ND		0.034	0.20
4,4'-DDD	ND		0.038	0.20
4,4'-DDE	ND		0.039	0.20
4,4'-DDT	ND		0.064	0.20
delta-BHC	ND		0.035	0.20
Dieldrin	ND		0.030	0.20
Endosulfan I	ND		0.052	0.20
Endosulfan II	ND		0.048	0.20
Endosulfan sulfate	ND		0.044	0.20
Endrin	ND		0.044	0.20
Endrin aldehyde	ND		0.044	0.20
Endrin ketone	ND		0.031	0.20
gamma-BHC (Lindane)	ND		0.026	0.20
gamma-Chlordane	ND		0.048	0.20
Heptachlor	ND		0.032	0.20
Heptachlor epoxide	ND		0.028	0.20
Methoxychlor	ND	*	0.13	0.40
Toxaphene	ND		1.3	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		30 - 121
Tetrachloro-m-xylene	65		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0856			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		30 - 121
Tetrachloro-m-xylene	64		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0916			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.033	0.20
alpha-BHC	ND		0.028	0.20
alpha-Chlordane	ND		0.056	0.20
beta-BHC	ND		0.034	0.20
4,4'-DDD	ND		0.038	0.20
4,4'-DDE	ND		0.039	0.20
4,4'-DDT	ND		0.064	0.20
delta-BHC	ND		0.035	0.20
Dieldrin	ND		0.030	0.20
Endosulfan I	ND		0.052	0.20
Endosulfan II	ND		0.048	0.20
Endosulfan sulfate	ND		0.044	0.20
Endrin	ND		0.044	0.20
Endrin aldehyde	ND		0.044	0.20
Endrin ketone	ND		0.031	0.20
gamma-BHC (Lindane)	ND		0.026	0.20
gamma-Chlordane	ND		0.048	0.20
Heptachlor	ND		0.032	0.20
Heptachlor epoxide	ND		0.028	0.20
Methoxychlor	ND	*	0.13	0.40
Toxaphene	ND		1.3	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		30 - 121
Tetrachloro-m-xylene	75		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0916			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		30 - 121
Tetrachloro-m-xylene	79		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	240 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0936			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.034	0.21
alpha-BHC	ND		0.029	0.21
alpha-Chlordane	ND		0.058	0.21
beta-BHC	ND		0.035	0.21
4,4'-DDD	ND		0.040	0.21
4,4'-DDE	ND		0.040	0.21
4,4'-DDT	ND		0.067	0.21
delta-BHC	ND		0.036	0.21
Dieldrin	0.087	J	0.031	0.21
Endosulfan I	ND		0.054	0.21
Endosulfan II	ND		0.050	0.21
Endosulfan sulfate	ND		0.046	0.21
Endrin	ND		0.046	0.21
Endrin aldehyde	ND		0.046	0.21
Endrin ketone	ND		0.033	0.21
gamma-BHC (Lindane)	ND		0.027	0.21
gamma-Chlordane	ND		0.050	0.21
Heptachlor	ND		0.033	0.21
Heptachlor epoxide	ND		0.030	0.21
Methoxychlor	ND	*	0.13	0.42
Toxaphene	ND		1.3	8.3

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		30 - 121
Tetrachloro-m-xylene	87		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	240 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0936			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		30 - 121
Tetrachloro-m-xylene	79		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0957			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.033	0.20
alpha-BHC	ND		0.028	0.20
alpha-Chlordane	ND		0.056	0.20
beta-BHC	ND		0.034	0.20
4,4'-DDD	ND		0.038	0.20
4,4'-DDE	ND		0.039	0.20
4,4'-DDT	ND		0.064	0.20
delta-BHC	ND		0.035	0.20
Dieldrin	ND		0.030	0.20
Endosulfan I	ND		0.052	0.20
Endosulfan II	ND		0.048	0.20
Endosulfan sulfate	ND		0.044	0.20
Endrin	ND		0.044	0.20
Endrin aldehyde	ND		0.044	0.20
Endrin ketone	ND		0.031	0.20
gamma-BHC (Lindane)	ND		0.026	0.20
gamma-Chlordane	ND		0.048	0.20
Heptachlor	ND		0.032	0.20
Heptachlor epoxide	ND		0.028	0.20
Methoxychlor	ND	*	0.13	0.40
Toxaphene	ND		1.3	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	66		30 - 121
Tetrachloro-m-xylene	88		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 0957			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	69		30 - 121
Tetrachloro-m-xylene	74		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1017			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.033	0.20
alpha-BHC	ND		0.028	0.20
alpha-Chlordane	ND		0.056	0.20
beta-BHC	0.059	J	0.034	0.20
4,4'-DDD	ND		0.038	0.20
4,4'-DDE	ND		0.039	0.20
4,4'-DDT	ND		0.064	0.20
delta-BHC	ND		0.035	0.20
Dieldrin	ND		0.030	0.20
Endosulfan I	ND		0.052	0.20
Endosulfan II	ND		0.048	0.20
Endosulfan sulfate	ND		0.044	0.20
Endrin	ND		0.044	0.20
Endrin aldehyde	ND		0.044	0.20
Endrin ketone	ND		0.031	0.20
gamma-BHC (Lindane)	ND		0.026	0.20
gamma-Chlordane	ND		0.048	0.20
Heptachlor	ND		0.032	0.20
Heptachlor epoxide	ND		0.028	0.20
Methoxychlor	ND	*	0.13	0.40
Toxaphene	ND		1.3	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		30 - 121
Tetrachloro-m-xylene	69		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	250 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1017			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		30 - 121
Tetrachloro-m-xylene	72		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	260 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1037			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.19
alpha-BHC	ND		0.027	0.19
alpha-Chlordane	ND		0.054	0.19
beta-BHC	0.14	J	0.032	0.19
4,4'-DDD	ND		0.037	0.19
4,4'-DDE	ND		0.037	0.19
4,4'-DDT	ND		0.062	0.19
delta-BHC	ND		0.033	0.19
Dieldrin	ND		0.029	0.19
Endosulfan I	ND		0.050	0.19
Endosulfan II	ND		0.046	0.19
Endosulfan sulfate	ND		0.042	0.19
Endrin	ND		0.042	0.19
Endrin aldehyde	ND		0.042	0.19
Endrin ketone	ND		0.030	0.19
gamma-BHC (Lindane)	ND		0.025	0.19
gamma-Chlordane	ND		0.046	0.19
Heptachlor	ND		0.031	0.19
Heptachlor epoxide	ND		0.027	0.19
Methoxychlor	ND	*	0.12	0.38
Toxaphene	ND		1.2	7.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		30 - 121
Tetrachloro-m-xylene	71		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	260 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1037			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		30 - 121
Tetrachloro-m-xylene	69		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	255 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1057			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.20
alpha-BHC	ND		0.027	0.20
alpha-Chlordane	ND		0.055	0.20
beta-BHC	ND		0.033	0.20
4,4'-DDD	ND		0.038	0.20
4,4'-DDE	ND		0.038	0.20
4,4'-DDT	0.16	J	0.063	0.20
delta-BHC	ND		0.034	0.20
Dieldrin	0.15	J	0.029	0.20
Endosulfan I	ND		0.051	0.20
Endosulfan II	ND		0.047	0.20
Endosulfan sulfate	ND		0.043	0.20
Endrin	ND		0.043	0.20
Endrin aldehyde	ND		0.043	0.20
Endrin ketone	ND		0.031	0.20
gamma-BHC (Lindane)	ND		0.025	0.20
gamma-Chlordane	ND		0.047	0.20
Heptachlor	ND		0.031	0.20
Heptachlor epoxide	ND		0.028	0.20
Methoxychlor	ND	*	0.13	0.39
Toxaphene	ND		1.3	7.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	69		30 - 121
Tetrachloro-m-xylene	73		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	255 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1057			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		30 - 121
Tetrachloro-m-xylene	79		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	255 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1118			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.032	0.20
alpha-BHC	ND		0.027	0.20
alpha-Chlordane	ND		0.055	0.20
beta-BHC	ND		0.033	0.20
4,4'-DDD	ND		0.038	0.20
4,4'-DDE	ND		0.038	0.20
4,4'-DDT	ND		0.063	0.20
delta-BHC	ND		0.034	0.20
Dieldrin	ND		0.029	0.20
Endosulfan I	ND		0.051	0.20
Endosulfan II	ND		0.047	0.20
Endosulfan sulfate	ND		0.043	0.20
Endrin	ND		0.043	0.20
Endrin aldehyde	ND		0.043	0.20
Endrin ketone	ND		0.031	0.20
gamma-BHC (Lindane)	ND		0.025	0.20
gamma-Chlordane	ND		0.047	0.20
Heptachlor	ND		0.031	0.20
Heptachlor epoxide	ND		0.028	0.20
Methoxychlor	ND	*	0.13	0.39
Toxaphene	ND		1.3	7.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		30 - 121
Tetrachloro-m-xylene	83		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-108045	Initial Weight/Volume:	255 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	11/11/2013 1118			Injection Volume:	1 uL
Prep Date:	11/01/2013 0912			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		30 - 121
Tetrachloro-m-xylene	82		40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ03G20131029**

Lab Sample ID: 240-30872-1 Date Sampled: 10/29/2013 0856
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1008			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.1	J	3.2	15
Barium	820		0.67	200
Cadmium	ND		0.66	5.0
Chromium	2.9	J	2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1318			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ01G20131029**

Lab Sample ID: 240-30872-3 Date Sampled: 10/29/2013 1129
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1012			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	3.7	J	3.2	15
Barium	140	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	12		2.2	10
Lead	3.6	J	1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1320			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03G20131029**

Lab Sample ID: 240-30872-4 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1016			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	47	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1322			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ03H20131029**

Lab Sample ID: 240-30872-5 Date Sampled: 10/29/2013 1427
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1029			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	47	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1326			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARFDPZ04G20131029**

Lab Sample ID: 240-30872-6 Date Sampled: 10/29/2013 1704
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1033			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	10	J	3.2	15
Barium	150	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	3.1	J	2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1328			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARDCDPZ02G20131030**

Lab Sample ID: 240-30872-7 Date Sampled: 10/30/2013 0910
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1037			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	7.5	J	3.2	15
Barium	180	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	32		2.2	10
Lead	9.1	J	1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1329			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW38G20131030**

Lab Sample ID: 240-30872-8 Date Sampled: 10/30/2013 1240
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1041			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	3.8	J	3.2	15
Barium	75	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	5.1	J	2.2	10
Lead	2.8	J	1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1330			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Client Sample ID: **CARMW40DG20131030**

Lab Sample ID: 240-30872-9 Date Sampled: 10/30/2013 1521
Client Matrix: Water Date Received: 10/31/2013 0920

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-108923	Instrument ID:	I9
Prep Method:	3005A	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1045			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	12	J	3.2	15
Barium	33	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	2.6	J	2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-108862	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1332			Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				

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

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	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/MS Semi 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.
	H	Sample was prepped or analyzed beyond the specified holding time
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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

Client: EnSafe, Inc. Job Number: 240-30872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-108601					
LCS 240-108601/4	Lab Control Sample	T	Water	8260C	
MB 240-108601/6	Method Blank	T	Water	8260C	
240-30872-3	CARFDPZ01G20131029	T	Water	8260C	
Analysis Batch:240-108727					
LCS 240-108727/6	Lab Control Sample	T	Water	8260C	
MB 240-108727/7	Method Blank	T	Water	8260C	
240-30872-1	CARDCDPZ03G20131029	T	Water	8260C	
240-30872-2	CARTRIP102913	T	Water	8260C	
240-30872-4	CARFDPZ03G20131029	T	Water	8260C	
240-30872-5	CARFDPZ03H20131029	T	Water	8260C	
240-30872-6	CARFDPZ04G20131029	T	Water	8260C	
240-30872-7	CARDCDPZ02G20131030	T	Water	8260C	
240-30872-8	CARMW38G20131030	T	Water	8260C	
240-30872-9	CARMW40DG20131030	T	Water	8260C	

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 240-108574					
LCS 240-108574/11-A	Lab Control Sample	T	Water	3510C	
MB 240-108574/10-A	Method Blank	T	Water	3510C	
240-30872-1	CARDCDPZ03G20131029	T	Water	3510C	
240-30872-4	CARFDPZ03G20131029	T	Water	3510C	
240-30872-5	CARFDPZ03H20131029	T	Water	3510C	
240-30872-6	CARFDPZ04G20131029	T	Water	3510C	
240-30872-7	CARDCDPZ02G20131030	T	Water	3510C	
240-30872-8	CARMW38G20131030	T	Water	3510C	
240-30872-9	CARMW40DG20131030	T	Water	3510C	
Analysis Batch:240-108752					
LCS 240-108574/11-A	Lab Control Sample	T	Water	8270D	240-108574
MB 240-108574/10-A	Method Blank	T	Water	8270D	240-108574
240-30872-1	CARDCDPZ03G20131029	T	Water	8270D	240-108574
240-30872-4	CARFDPZ03G20131029	T	Water	8270D	240-108574
240-30872-5	CARFDPZ03H20131029	T	Water	8270D	240-108574
240-30872-6	CARFDPZ04G20131029	T	Water	8270D	240-108574
240-30872-7	CARDCDPZ02G20131030	T	Water	8270D	240-108574
240-30872-8	CARMW38G20131030	T	Water	8270D	240-108574
240-30872-9	CARMW40DG20131030	T	Water	8270D	240-108574
Prep Batch: 240-108951					
LCS 240-108951/11-A	Lab Control Sample	T	Water	3510C	
MB 240-108951/10-A	Method Blank	T	Water	3510C	
240-30872-3	CARFDPZ01G20131029	T	Water	3510C	
Analysis Batch:240-109956					
LCS 240-108951/11-A	Lab Control Sample	T	Water	8270D	240-108951
MB 240-108951/10-A	Method Blank	T	Water	8270D	240-108951
240-30872-3	CARFDPZ01G20131029	T	Water	8270D	240-108951

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-108045					
LCS 240-108045/20-A	Lab Control Sample	T	Water	3520C	
MB 240-108045/19-A	Method Blank	T	Water	3520C	
240-30872-1	CARDCDPZ03G20131029	T	Water	3520C	
240-30872-3	CARFDPZ01G20131029	T	Water	3520C	
240-30872-4	CARFDPZ03G20131029	T	Water	3520C	
240-30872-5	CARFDPZ03H20131029	T	Water	3520C	
240-30872-6	CARFDPZ04G20131029	T	Water	3520C	
240-30872-7	CARDCDPZ02G20131030	T	Water	3520C	
240-30872-8	CARMW38G20131030	T	Water	3520C	
240-30872-9	CARMW40DG20131030	T	Water	3520C	
Analysis Batch:240-109145					
LCS 240-108045/20-A	Lab Control Sample	T	Water	8081B	240-108045
MB 240-108045/19-A	Method Blank	T	Water	8081B	240-108045
240-30872-1	CARDCDPZ03G20131029	T	Water	8081B	240-108045
240-30872-3	CARFDPZ01G20131029	T	Water	8081B	240-108045
240-30872-4	CARFDPZ03G20131029	T	Water	8081B	240-108045
240-30872-5	CARFDPZ03H20131029	T	Water	8081B	240-108045
240-30872-6	CARFDPZ04G20131029	T	Water	8081B	240-108045
240-30872-7	CARDCDPZ02G20131030	T	Water	8081B	240-108045
240-30872-8	CARMW38G20131030	T	Water	8081B	240-108045
240-30872-9	CARMW40DG20131030	T	Water	8081B	240-108045

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-108583					
LCS 240-108583/2-A	Lab Control Sample	R	Water	3005A	
MB 240-108583/1-A	Method Blank	R	Water	3005A	
240-30872-1	CARDCDPZ03G20131029	R	Water	3005A	
240-30872-3	CARFDPZ01G20131029	R	Water	3005A	
240-30872-4	CARFDPZ03G20131029	R	Water	3005A	
240-30872-5	CARFDPZ03H20131029	R	Water	3005A	
240-30872-6	CARFDPZ04G20131029	R	Water	3005A	
240-30872-7	CARDCDPZ02G20131030	R	Water	3005A	
240-30872-8	CARMW38G20131030	R	Water	3005A	
240-30872-9	CARMW40DG20131030	R	Water	3005A	
Prep Batch: 240-108588					
LCS 240-108588/2-A	Lab Control Sample	T	Water	7470A	
MB 240-108588/1-A	Method Blank	T	Water	7470A	
240-30872-1	CARDCDPZ03G20131029	T	Water	7470A	
240-30872-3	CARFDPZ01G20131029	T	Water	7470A	
240-30872-4	CARFDPZ03G20131029	T	Water	7470A	
240-30872-5	CARFDPZ03H20131029	T	Water	7470A	
240-30872-6	CARFDPZ04G20131029	T	Water	7470A	
240-30872-7	CARDCDPZ02G20131030	T	Water	7470A	
240-30872-8	CARMW38G20131030	T	Water	7470A	
240-30872-9	CARMW40DG20131030	T	Water	7470A	
Analysis Batch:240-108862					
LCS 240-108588/2-A	Lab Control Sample	T	Water	7470A	240-108588
MB 240-108588/1-A	Method Blank	T	Water	7470A	240-108588
240-30872-1	CARDCDPZ03G20131029	T	Water	7470A	240-108588
240-30872-3	CARFDPZ01G20131029	T	Water	7470A	240-108588
240-30872-4	CARFDPZ03G20131029	T	Water	7470A	240-108588
240-30872-5	CARFDPZ03H20131029	T	Water	7470A	240-108588
240-30872-6	CARFDPZ04G20131029	T	Water	7470A	240-108588
240-30872-7	CARDCDPZ02G20131030	T	Water	7470A	240-108588
240-30872-8	CARMW38G20131030	T	Water	7470A	240-108588
240-30872-9	CARMW40DG20131030	T	Water	7470A	240-108588

Client: EnSafe, Inc. Job Number: 240-30872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:240-108923					
LCS 240-108583/2-A	Lab Control Sample	R	Water	6010C	240-108583
MB 240-108583/1-A	Method Blank	R	Water	6010C	240-108583
240-30872-1	CARDCDPZ03G20131029	R	Water	6010C	240-108583
240-30872-3	CARFDPZ01G20131029	R	Water	6010C	240-108583
240-30872-4	CARFDPZ03G20131029	R	Water	6010C	240-108583
240-30872-5	CARFDPZ03H20131029	R	Water	6010C	240-108583
240-30872-6	CARFDPZ04G20131029	R	Water	6010C	240-108583
240-30872-7	CARDCDPZ02G20131030	R	Water	6010C	240-108583
240-30872-8	CARMW38G20131030	R	Water	6010C	240-108583
240-30872-9	CARMW40DG20131030	R	Water	6010C	240-108583

Report Basis

R = Total Recoverable

T = Total

Client: EnSafe, Inc. Job Number: 240-30872-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
MRL 240-108601/5		91	102	98	96
MRL 240-108727/5		99	113	110	106

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	10-150
DBFM = Dibromofluoromethane (Surr)	10-150
DCA = 1,2-Dichloroethane-d4 (Surr)	10-150
TOL = Toluene-d8 (Surr)	10-150

Client: EnSafe, Inc. Job Number: 240-30872-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
240-30872-1	CARDCDPZ03G20131029	111	121	119	114
240-30872-2	CARTRIP102913	102	105	106	106
240-30872-3	CARFDPZ01G20131029	92	101	93	95
240-30872-4	CARFDPZ03G20131029	106	118	119	112
240-30872-5	CARFDPZ03H20131029	107	116	117	113
240-30872-6	CARFDPZ04G20131029	103	114	107	106
240-30872-7	CARDCDPZ02G20131030	98	104	103	100
240-30872-8	CARMW38G20131030	105	111	111	109
240-30872-9	CARMW40DG20131030	99	113	111	106
MB 240-108601/6		85	95	90	91
MB 240-108727/7		110	116	113	111
LCS 240-108601/4		96	102	100	98
LCS 240-108727/6		105	112	115	108

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	66-117
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-115

Client: EnSafe, Inc. Job Number: 240-30872-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TPH %Rec	PHL %Rec	NBZ %Rec	2FP %Rec	FBP %Rec	TBP %Rec
240-30872-1	CARDCDPZ03G20131029	88	46	68	61	64	81
240-30872-3	CARFDPZ01G20131029	83	41	78	61	72	72
240-30872-4	CARFDPZ03G20131029	80	42	59	55	55	63
240-30872-5	CARFDPZ03H20131029	89	45	77	61	68	77
240-30872-6	CARFDPZ04G20131029	78	40	66	54	60	61
240-30872-7	CARDCDPZ02G20131030	78	45	71	59	68	73
240-30872-8	CARMW38G20131030	93	51	78	66	72	77
240-30872-9	CARMW40DG20131030	93	38	57	49	50	57
MB 240-108574/10-A		95	48	77	65	74	58
MB 240-108951/10-A		92	44	70	57	69	53
LCS 240-108574/11-A		102	56	82	71	79	85
LCS 240-108951/11-A		101	52	91	69	86	94

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30872-1	CARDCDPZ03G20131029	65	61	64	65
240-30872-3	CARFDPZ01G20131029	84	81	79	75
240-30872-4	CARFDPZ03G20131029	88	88	79	87
240-30872-5	CARFDPZ03H20131029	69	66	74	88
240-30872-6	CARFDPZ04G20131029	87	83	72	69
240-30872-7	CARDCDPZ02G20131030	62	59	69	71
240-30872-8	CARMW38G20131030	73	69	79	73
240-30872-9	CARMW40DG20131030	80	75	82	83
MB 240-108045/19-A		84	79	87	87
LCS 240-108045/20-A		85	78	89	86

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-108601/6	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1138	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1138				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	1.53	J	1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	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
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-108601/6	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1138	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1138				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	85	66 - 117
Dibromofluoromethane (Surr)	95	75 - 121
1,2-Dichloroethane-d4 (Surr)	90	63 - 129
Toluene-d8 (Surr)	91	74 - 115

Method Blank TICs- Batch: 240-108601

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-108601/4	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1466.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1052	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1052				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	50.0	75.6	151	43 - 136	*
Benzene	25.0	27.1	108	83 - 112	
Bromoform	25.0	27.8	111	40 - 131	
Bromomethane	25.0	23.2	93	11 - 185	
2-Butanone (MEK)	50.0	69.0	138	60 - 126	*
Carbon disulfide	25.0	29.2	117	62 - 142	
Carbon tetrachloride	25.0	28.0	112	66 - 128	
Chlorobenzene	25.0	27.0	108	85 - 110	
Chlorodibromomethane	25.0	31.0	124	64 - 119	*
Chloroethane	25.0	23.4	93	25 - 153	
Chloroform	25.0	28.8	115	79 - 117	
Chloromethane	25.0	22.2	89	44 - 126	
cis-1,2-Dichloroethene	25.0	28.1	112	80 - 113	
cis-1,3-Dichloropropene	25.0	30.7	123	61 - 115	*
1,2-Dibromo-3-Chloropropane	25.0	30.5	122	42 - 136	
1,2-Dichlorobenzene	25.0	26.2	105	81 - 110	
1,3-Dichlorobenzene	25.0	26.0	104	80 - 110	
1,4-Dichlorobenzene	25.0	25.6	103	82 - 110	
Dichlorobromomethane	25.0	30.5	122	72 - 121	*
Dichlorodifluoromethane	25.0	21.9	88	19 - 129	
1,1-Dichloroethane	25.0	28.3	113	82 - 115	
1,2-Dichloroethane	25.0	29.7	119	71 - 127	
1,1-Dichloroethene	25.0	28.1	113	78 - 131	
1,2-Dichloropropane	25.0	27.6	110	81 - 115	
Ethylbenzene	25.0	27.4	110	83 - 112	
Ethylene Dibromide	25.0	30.1	120	79 - 113	*
2-Hexanone	50.0	63.5	127	55 - 133	
Isopropylbenzene	25.0	28.6	114	75 - 114	
Methylene Chloride	25.0	24.0	96	66 - 131	
4-Methyl-2-pentanone (MIBK)	50.0	66.3	133	63 - 128	*
Methyl tert-butyl ether	25.0	30.2	121	52 - 144	
m-Xylene & p-Xylene	25.0	27.6	110	83 - 113	
o-Xylene	25.0	27.6	111	83 - 113	
Styrene	25.0	28.2	113	79 - 114	
1,1,2,2-Tetrachloroethane	25.0	28.2	113	68 - 118	
Tetrachloroethene	25.0	27.8	111	79 - 114	
Toluene	25.0	24.6	98	84 - 111	
trans-1,2-Dichloroethene	25.0	28.6	114	83 - 117	
trans-1,3-Dichloropropene	25.0	32.7	131	58 - 117	*
1,2,4-Trichlorobenzene	25.0	26.8	107	48 - 135	
1,1,1-Trichloroethane	25.0	29.5	118	74 - 118	

Lab Control Sample - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-108601/4	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1466.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1052	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1052				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	25.0	27.6	110	80 - 112	
Trichloroethene	25.0	28.6	115	76 - 117	
Trichlorofluoromethane	25.0	25.0	100	49 - 157	
Vinyl chloride	25.0	24.6	98	53 - 127	
Xylenes, Total	50.0	55.2	110	83 - 112	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	96	66 - 117
Dibromofluoromethane (Surr)	102	75 - 121
1,2-Dichloroethane-d4 (Surr)	100	63 - 129
Toluene-d8 (Surr)	98	74 - 115

Method Reporting Limit Check - Batch: 240-108601

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 240-108601/5	Analysis Batch:	240-108601	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM1467.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/06/2013 1115	Units:	ng/uL	Final Weight/Volume:	10 mL
Prep Date:	11/06/2013 1115				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromoform	0.00100	ND	131	10 - 150	
1,2-Dibromo-3-Chloropropane	0.00100	ND	120	10 - 150	
2-Hexanone	0.0100	ND	90	10 - 150	
1,1,2,2-Tetrachloroethane	0.00100	ND	83	10 - 150	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	91	10 - 150
Dibromofluoromethane (Surr)	102	10 - 150
1,2-Dichloroethane-d4 (Surr)	98	10 - 150
Toluene-d8 (Surr)	96	10 - 150

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108727

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-108727/7	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	U1233605.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2011	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2011				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	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
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	0.335	J	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
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108727

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-108727/7	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	U1233605.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 2011	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 2011				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	110	66 - 117
Dibromofluoromethane (Surr)	116	75 - 121
1,2-Dichloroethane-d4 (Surr)	113	63 - 129
Toluene-d8 (Surr)	111	74 - 115

Method Blank TICs- Batch: 240-108727

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

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108727

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-108727/6	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	U1233602.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 1903	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 1903				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	40.0	39.1	98	43 - 136	
Benzene	20.0	19.4	97	83 - 112	
Bromoform	20.0	14.9	75	40 - 131	
Bromomethane	20.0	19.6	98	11 - 185	
2-Butanone (MEK)	40.0	38.0	95	60 - 126	
Carbon disulfide	20.0	26.4	132	62 - 142	
Carbon tetrachloride	20.0	23.4	117	66 - 128	
Chlorobenzene	20.0	20.1	101	85 - 110	
Chlorodibromomethane	20.0	17.9	89	64 - 119	
Chloroethane	20.0	18.4	92	25 - 153	
Chloroform	20.0	20.0	100	79 - 117	
Chloromethane	20.0	17.1	85	44 - 126	
cis-1,2-Dichloroethene	20.0	19.0	95	80 - 113	
cis-1,3-Dichloropropene	20.0	17.6	88	61 - 115	
1,2-Dibromo-3-Chloropropane	20.0	19.6	98	42 - 136	
1,2-Dichlorobenzene	20.0	20.1	101	81 - 110	
1,3-Dichlorobenzene	20.0	20.0	100	80 - 110	
1,4-Dichlorobenzene	20.0	19.3	97	82 - 110	
Dichlorobromomethane	20.0	19.5	98	72 - 121	
Dichlorodifluoromethane	20.0	13.8	69	19 - 129	
1,1-Dichloroethane	20.0	20.0	100	82 - 115	
1,2-Dichloroethane	20.0	21.4	107	71 - 127	
1,1-Dichloroethene	20.0	19.0	95	78 - 131	
1,2-Dichloropropane	20.0	20.1	101	81 - 115	
Ethylbenzene	20.0	19.2	96	83 - 112	
Ethylene Dibromide	20.0	20.2	101	79 - 113	
2-Hexanone	40.0	43.9	110	55 - 133	
Isopropylbenzene	20.0	19.4	97	75 - 114	
Methylene Chloride	20.0	19.5	98	66 - 131	
4-Methyl-2-pentanone (MIBK)	40.0	38.5	96	63 - 128	
Methyl tert-butyl ether	20.0	19.0	95	52 - 144	
m-Xylene & p-Xylene	20.0	20.2	101	83 - 113	
o-Xylene	20.0	19.6	98	83 - 113	
Styrene	20.0	19.7	98	79 - 114	
1,1,2,2-Tetrachloroethane	20.0	18.5	92	68 - 118	
Tetrachloroethene	20.0	20.1	101	79 - 114	
Toluene	20.0	19.7	99	84 - 111	
trans-1,2-Dichloroethene	20.0	19.8	99	83 - 117	
trans-1,3-Dichloropropene	20.0	19.3	96	58 - 117	
1,2,4-Trichlorobenzene	20.0	20.0	100	48 - 135	
1,1,1-Trichloroethane	20.0	23.3	117	74 - 118	

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108727

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-108727/6	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	U1233602.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 1903	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 1903				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	20.0	19.1	95	80 - 112	
Trichloroethene	20.0	20.6	103	76 - 117	
Trichlorofluoromethane	20.0	19.4	97	49 - 157	
Vinyl chloride	20.0	17.1	85	53 - 127	
Xylenes, Total	40.0	39.8	100	83 - 112	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	105	66 - 117
Dibromofluoromethane (Surr)	112	75 - 121
1,2-Dichloroethane-d4 (Surr)	115	63 - 129
Toluene-d8 (Surr)	108	74 - 115

Method Reporting Limit Check - Batch: 240-108727

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 240-108727/5	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	U1233604.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 1947	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 1947				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	0.0100	ND	76	10 - 150	
Benzene	0.00100	ND	110	10 - 150	
Bromoform	0.00100	ND	34	10 - 150	
Bromomethane	0.00100	ND	108	10 - 150	
2-Butanone (MEK)	0.0100	ND	94	10 - 150	
Carbon disulfide	0.00100	ND	65	10 - 150	
Carbon tetrachloride	0.00100	ND	106	10 - 150	
Chlorobenzene	0.00100	ND	115	10 - 150	
Chlorodibromomethane	0.00100	ND	50	10 - 150	
Chloroethane	0.00100	ND	90	10 - 150	
Chloroform	0.00100	ND	104	10 - 150	
Chloromethane	0.00100	ND	121	10 - 150	
cis-1,2-Dichloroethene	0.00100	ND	105	10 - 150	
cis-1,3-Dichloropropene	0.00100	ND	59	10 - 150	
1,2-Dibromo-3-Chloropropane	0.00100	ND	35	10 - 150	
1,2-Dichlorobenzene	0.00100	ND	109	10 - 150	
1,3-Dichlorobenzene	0.00100	ND	114	10 - 150	

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Reporting Limit Check - Batch: 240-108727

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MRL 240-108727/5	Analysis Batch:	240-108727	Instrument ID:	A3UX12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	U1233604.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/06/2013 1947	Units:	ng/uL	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 1947				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dichlorobenzene	0.00100	ND	109	10 - 150	
Dichlorobromomethane	0.00100	ND	89	10 - 150	
Dichlorodifluoromethane	0.00100	ND	123	10 - 150	
1,1-Dichloroethane	0.00100	ND	103	10 - 150	
1,2-Dichloroethane	0.00100	ND	111	10 - 150	
1,1-Dichloroethene	0.00100	ND	52	10 - 150	
1,2-Dichloropropane	0.00100	ND	101	10 - 150	
Ethylbenzene	0.00100	ND	105	10 - 150	
Ethylene Dibromide	0.00100	ND	102	10 - 150	
2-Hexanone	0.0100	ND	95	10 - 150	
Isopropylbenzene	0.00100	ND	105	10 - 150	
Methylene Chloride	0.00100	ND	98	10 - 150	
4-Methyl-2-pentanone (MIBK)	0.0100	ND	97	10 - 150	
Methyl tert-butyl ether	0.00100	ND	113	10 - 150	
m-Xylene & p-Xylene	0.00100	ND	103	10 - 150	
o-Xylene	0.00100	ND	106	10 - 150	
Styrene	0.00100	ND	110	10 - 150	
1,1,2,2-Tetrachloroethane	0.00100	ND	101	10 - 150	
Tetrachloroethene	0.00100	ND	144	10 - 150	
Toluene	0.00100	ND	98	10 - 150	
trans-1,2-Dichloroethene	0.00100	ND	92	10 - 150	
trans-1,3-Dichloropropene	0.00100	ND	45	10 - 150	
1,2,4-Trichlorobenzene	0.00100	ND	108	10 - 150	
1,1,1-Trichloroethane	0.00100	ND	101	10 - 150	
1,1,2-Trichloroethane	0.00100	ND	107	10 - 150	
Trichloroethene	0.00100	ND	97	10 - 150	
Trichlorofluoromethane	0.00100	ND	172	10 - 150	^
Vinyl chloride	0.00100	ND	94	10 - 150	
Xylenes, Total	0.00200	ND	0	10 - 150	^

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	99	10 - 150
Dibromofluoromethane (Surr)	113	10 - 150
1,2-Dichloroethane-d4 (Surr)	110	10 - 150
Toluene-d8 (Surr)	106	10 - 150

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108574

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 240-108574/10-A	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108574	Lab File ID:	1107006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/07/2013 1003	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,6-Trichlorophenol	ND		1.3	5.0
2,4,5-Trichlorophenol	ND		1.8	5.0
2,4-Dichlorophenol	ND		1.5	2.0
2,4-Dimethylphenol	ND		1.6	2.0
2,4-Dinitrophenol	ND		31	40
2,4-Dinitrotoluene	ND		1.3	5.0
2-Chlorophenol	ND		0.66	1.0
2-Methylnaphthalene	ND		0.19	0.20
2-Methylphenol	ND		0.94	1.0
2-Nitroaniline	ND		1.5	2.0
2-Nitrophenol	ND		1.0	2.0
3 & 4 Methylphenol	ND		1.7	2.0
3,3'-Dichlorobenzidine	ND		1.8	5.0
3-Nitroaniline	ND		1.3	2.0
4,6-Dinitro-2-methylphenol	ND		2.6	5.0
4-Bromophenyl phenyl ether	ND		1.7	2.0
4-Chloro-3-methylphenol	ND		1.4	2.0
4-Chloroaniline	ND		0.75	2.0
4-Chlorophenyl phenyl ether	ND		1.5	2.0
4-Nitroaniline	ND		1.2	2.0
Acenaphthene	ND		0.22	0.20
Acenaphthylene	ND		0.10	0.20
Acetophenone	ND		0.70	1.0
Anthracene	ND		0.16	0.20
Benzo[a]anthracene	ND		0.30	0.20
Benzo[a]pyrene	ND		0.15	0.20
Benzo[b]fluoranthene	ND		0.30	0.20
Benzo[g,h,i]perylene	ND		0.25	0.20
Benzo[k]fluoranthene	ND		0.24	0.20
Bis(2-chloroethoxy)methane	ND		0.19	1.0
Bis(2-chloroethyl)ether	ND		0.95	1.0
Bis(2-ethylhexyl) phthalate	ND		7.6	2.0
Butyl benzyl phthalate	ND		1.1	1.0
Carbazole	ND		0.53	1.0
Chrysene	ND		0.18	0.20
Di-n-butyl phthalate	3.29		2.0	1.0
Di-n-octyl phthalate	ND		1.8	1.0
Dibenz(a,h)anthracene	ND		0.20	0.20
Dibenzofuran	ND		0.69	1.0
Diethyl phthalate	ND		0.63	1.0
Dimethyl phthalate	ND		0.51	1.0
Fluoranthene	ND		0.14	0.20
Fluorene	ND		0.17	0.20
Hexachlorobenzene	ND		0.58	1.0
Hexachlorobutadiene	ND		0.71	1.0

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108574

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 240-108574/10-A	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108574	Lab File ID:	1107006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/07/2013 1003	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorocyclopentadiene	ND		12	10
Hexachloroethane	ND		1.1	1.0
Indeno[1,2,3-cd]pyrene	ND		0.24	0.20
Isophorone	ND		0.21	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
N-Nitrosodiphenylamine	ND		0.56	1.0
Naphthalene	ND		0.22	0.20
Nitrobenzene	ND		0.59	1.0
Pentachlorophenol	ND		27	40
Phenanthrene	ND		0.16	0.20
Phenol	ND		0.75	1.0
Pyrene	ND		0.14	0.20
bis (2-chloroisopropyl) ether	ND		0.92	1.0
2,6-Dinitrotoluene	ND		1.2	5.0
4-Nitrophenol	ND		2.9	5.0

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	95	31 - 115
Phenol-d5 (Surr)	48	10 - 110
Nitrobenzene-d5 (Surr)	77	31 - 110
2-Fluorophenol (Surr)	65	15 - 110
2-Fluorobiphenyl (Surr)	74	29 - 110
2,4,6-Tribromophenol (Surr)	58	21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108574

Method: 8270D
Preparation: 3510C

Lab Sample ID:	LCS 240-108574/11-A	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108574	Lab File ID:	1107007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/07/2013 1025	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,6-Trichlorophenol	8.00	6.74	84	40 - 160	
2,4,5-Trichlorophenol	8.00	6.20	77	20 - 120	
2,4-Dichlorophenol	8.00	6.39	80	40 - 160	
2,4-Dimethylphenol	8.00	6.48	81	10 - 120	
2,4-Dinitrophenol	16.0	ND	66	20 - 120	
2,4-Dinitrotoluene	8.00	6.78	85	40 - 160	
2-Chlorophenol	8.00	6.37	80	40 - 160	
2-Methylnaphthalene	8.00	5.83	73	40 - 160	
2-Methylphenol	8.00	6.29	79	20 - 120	
2-Nitroaniline	8.00	6.42	80	40 - 160	
2-Nitrophenol	8.00	6.65	83	40 - 160	
3 & 4 Methylphenol	8.00	6.19	77	40 - 160	
3,3'-Dichlorobenzidine	16.0	9.83	61	10 - 120	
3-Nitroaniline	8.00	7.04	88	40 - 160	
4,6-Dinitro-2-methylphenol	16.0	12.1	76	40 - 160	
4-Bromophenyl phenyl ether	8.00	6.57	82	40 - 160	
4-Chloro-3-methylphenol	8.00	6.94	87	40 - 160	
4-Chloroaniline	8.00	6.71	84	10 - 120	
4-Chlorophenyl phenyl ether	8.00	6.29	79	40 - 160	
4-Nitroaniline	8.00	6.81	85	40 - 160	
Acenaphthene	8.00	6.33	79	40 - 160	
Acenaphthylene	8.00	6.03	75	40 - 160	
Acetophenone	8.00	6.89	86	40 - 160	
Anthracene	8.00	6.37	80	40 - 160	
Benzo[a]anthracene	8.00	6.53	82	40 - 160	
Benzo[a]pyrene	8.00	6.73	84	40 - 160	
Benzo[b]fluoranthene	8.00	6.69	84	40 - 160	
Benzo[g,h,i]perylene	8.00	7.20	90	40 - 160	
Benzo[k]fluoranthene	8.00	6.55	82	40 - 160	
Bis(2-chloroethoxy)methane	8.00	6.74	84	40 - 160	
Bis(2-chloroethyl)ether	8.00	6.44	80	40 - 160	
Bis(2-ethylhexyl) phthalate	8.00	7.89	99	40 - 160	
Butyl benzyl phthalate	8.00	7.03	88	40 - 160	
Carbazole	8.00	7.18	90	40 - 160	
Chrysene	8.00	6.81	85	40 - 160	
Di-n-butyl phthalate	8.00	9.54	119	40 - 160	
Di-n-octyl phthalate	8.00	7.71	96	40 - 160	
Dibenz(a,h)anthracene	8.00	7.11	89	40 - 160	
Dibenzofuran	8.00	6.20	78	40 - 160	
Diethyl phthalate	8.00	7.00	87	40 - 160	
Dimethyl phthalate	8.00	6.82	85	40 - 160	

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108574 **Method: 8270D**
Preparation: 3510C

Lab Sample ID:	LCS 240-108574/11-A	Analysis Batch:	240-108752	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108574	Lab File ID:	1107007.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/07/2013 1025	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/06/2013 0817			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoranthene	8.00	6.74	84	40 - 160	
Fluorene	8.00	6.31	79	40 - 160	
Hexachlorobenzene	8.00	6.40	80	40 - 160	
Hexachlorobutadiene	8.00	4.62	58	40 - 160	
Hexachlorocyclopentadiene	8.00	ND	46	40 - 160	
Hexachloroethane	8.00	4.86	61	40 - 160	
Indeno[1,2,3-cd]pyrene	8.00	7.24	90	40 - 160	
Isophorone	8.00	6.58	82	40 - 160	
N-Nitrosodi-n-propylamine	8.00	6.59	82	40 - 160	
N-Nitrosodiphenylamine	16.0	12.9	80	40 - 160	
Naphthalene	8.00	5.63	70	40 - 160	
Nitrobenzene	8.00	6.36	79	40 - 160	
Pentachlorophenol	16.0	ND	72	10 - 120	
Phenanthrene	8.00	6.62	83	40 - 160	
Phenol	8.00	4.56	57	10 - 120	
Pyrene	8.00	6.72	84	40 - 160	
bis (2-chloroisopropyl) ether	8.00	5.94	74	40 - 160	
2,6-Dinitrotoluene	8.00	7.05	88	40 - 160	
4-Nitrophenol	16.0	9.89	62	10 - 120	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	102	31 - 115
Phenol-d5 (Surr)	56	10 - 110
Nitrobenzene-d5 (Surr)	82	31 - 110
2-Fluorophenol (Surr)	71	15 - 110
2-Fluorobiphenyl (Surr)	79	29 - 110
2,4,6-Tribromophenol (Surr)	85	21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108951

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 240-108951/10-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108951	Lab File ID:	1115012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1403	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/08/2013 0829			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,6-Trichlorophenol	ND		1.3	5.0
2,4,5-Trichlorophenol	ND		1.8	5.0
2,4-Dichlorophenol	ND		1.5	2.0
2,4-Dimethylphenol	ND		1.6	2.0
2,4-Dinitrophenol	ND		31	40
2,4-Dinitrotoluene	ND		1.3	5.0
2-Chlorophenol	ND		0.66	1.0
2-Methylnaphthalene	ND		0.19	0.20
2-Methylphenol	ND		0.94	1.0
2-Nitroaniline	ND		1.5	2.0
2-Nitrophenol	ND		1.0	2.0
3 & 4 Methylphenol	ND		1.7	2.0
3,3'-Dichlorobenzidine	ND		1.8	5.0
3-Nitroaniline	ND		1.3	2.0
4,6-Dinitro-2-methylphenol	ND		2.6	5.0
4-Bromophenyl phenyl ether	ND		1.7	2.0
4-Chloro-3-methylphenol	ND		1.4	2.0
4-Chloroaniline	ND		0.75	2.0
4-Chlorophenyl phenyl ether	ND		1.5	2.0
4-Nitroaniline	ND		1.2	2.0
Acenaphthene	ND		0.22	0.20
Acenaphthylene	ND		0.10	0.20
Acetophenone	ND		0.70	1.0
Anthracene	ND		0.16	0.20
Benzo[a]anthracene	ND		0.30	0.20
Benzo[a]pyrene	ND		0.15	0.20
Benzo[b]fluoranthene	ND		0.30	0.20
Benzo[g,h,i]perylene	ND		0.25	0.20
Benzo[k]fluoranthene	ND		0.24	0.20
Bis(2-chloroethoxy)methane	ND		0.19	1.0
Bis(2-chloroethyl)ether	ND		0.95	1.0
Bis(2-ethylhexyl) phthalate	ND		7.6	2.0
Butyl benzyl phthalate	ND		1.1	1.0
Carbazole	ND		0.53	1.0
Chrysene	ND		0.18	0.20
Di-n-butyl phthalate	ND		2.0	1.0
Di-n-octyl phthalate	ND		1.8	1.0
Dibenz(a,h)anthracene	ND		0.20	0.20
Dibenzofuran	ND		0.69	1.0
Diethyl phthalate	ND		0.63	1.0
Dimethyl phthalate	ND		0.51	1.0
Fluoranthene	ND		0.14	0.20
Fluorene	ND		0.17	0.20
Hexachlorobenzene	ND		0.58	1.0
Hexachlorobutadiene	ND		0.71	1.0

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108951

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 240-108951/10-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108951	Lab File ID:	1115012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1403	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/08/2013 0829			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorocyclopentadiene	ND		12	10
Hexachloroethane	ND		1.1	1.0
Indeno[1,2,3-cd]pyrene	ND		0.24	0.20
Isophorone	ND		0.21	1.0
N-Nitrosodi-n-propylamine	ND		0.80	1.0
N-Nitrosodiphenylamine	ND		0.56	1.0
Naphthalene	ND		0.22	0.20
Nitrobenzene	ND		0.59	1.0
Pentachlorophenol	ND		27	40
Phenanthrene	ND		0.16	0.20
Phenol	ND		0.75	1.0
Pyrene	ND		0.14	0.20
bis (2-chloroisopropyl) ether	ND		0.92	1.0
2,6-Dinitrotoluene	ND		1.2	5.0
4-Nitrophenol	ND		2.9	5.0

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	92	31 - 115
Phenol-d5 (Surr)	44	10 - 110
Nitrobenzene-d5 (Surr)	70	31 - 110
2-Fluorophenol (Surr)	57	15 - 110
2-Fluorobiphenyl (Surr)	69	29 - 110
2,4,6-Tribromophenol (Surr)	53	21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108951

Method: 8270D
Preparation: 3510C

Lab Sample ID:	LCS 240-108951/11-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108951	Lab File ID:	1115013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1426	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/08/2013 0829			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,6-Trichlorophenol	8.00	6.59	82	40 - 160	
2,4,5-Trichlorophenol	8.00	6.58	82	20 - 120	
2,4-Dichlorophenol	8.00	7.24	91	40 - 160	
2,4-Dimethylphenol	8.00	7.55	94	10 - 120	
2,4-Dinitrophenol	16.0	ND	64	20 - 120	
2,4-Dinitrotoluene	8.00	6.93	87	40 - 160	
2-Chlorophenol	8.00	6.24	78	40 - 160	
2-Methylnaphthalene	8.00	5.75	72	40 - 160	
2-Methylphenol	8.00	6.33	79	20 - 120	
2-Nitroaniline	8.00	6.45	81	40 - 160	
2-Nitrophenol	8.00	6.75	84	40 - 160	
3 & 4 Methylphenol	8.00	6.19	77	40 - 160	
3,3'-Dichlorobenzidine	16.0	8.85	55	10 - 120	
3-Nitroaniline	8.00	6.97	87	40 - 160	
4,6-Dinitro-2-methylphenol	16.0	10.2	64	40 - 160	
4-Bromophenyl phenyl ether	8.00	6.16	77	40 - 160	
4-Chloro-3-methylphenol	8.00	6.69	84	40 - 160	
4-Chloroaniline	8.00	4.25	53	10 - 120	
4-Chlorophenyl phenyl ether	8.00	6.41	80	40 - 160	
4-Nitroaniline	8.00	6.92	86	40 - 160	
Acenaphthene	8.00	6.24	78	40 - 160	
Acenaphthylene	8.00	6.08	76	40 - 160	
Acetophenone	8.00	7.09	89	40 - 160	
Anthracene	8.00	6.17	77	40 - 160	
Benzo[a]anthracene	8.00	5.94	74	40 - 160	
Benzo[a]pyrene	8.00	6.10	76	40 - 160	
Benzo[b]fluoranthene	8.00	6.14	77	40 - 160	
Benzo[g,h,i]perylene	8.00	6.08	76	40 - 160	
Benzo[k]fluoranthene	8.00	6.20	78	40 - 160	
Bis(2-chloroethoxy)methane	8.00	7.05	88	40 - 160	
Bis(2-chloroethyl)ether	8.00	6.47	81	40 - 160	
Bis(2-ethylhexyl) phthalate	8.00	ND	87	40 - 160	
Butyl benzyl phthalate	8.00	6.53	82	40 - 160	
Carbazole	8.00	6.92	86	40 - 160	
Chrysene	8.00	5.81	73	40 - 160	
Di-n-butyl phthalate	8.00	8.34	104	40 - 160	
Di-n-octyl phthalate	8.00	6.28	78	40 - 160	
Dibenz(a,h)anthracene	8.00	6.04	76	40 - 160	
Dibenzofuran	8.00	6.36	80	40 - 160	
Diethyl phthalate	8.00	7.18	90	40 - 160	
Dimethyl phthalate	8.00	6.87	86	40 - 160	

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108951

Method: 8270D
Preparation: 3510C

Lab Sample ID:	LCS 240-108951/11-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-108951	Lab File ID:	1115013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1426	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/08/2013 0829			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoranthene	8.00	6.22	78	40 - 160	
Fluorene	8.00	6.55	82	40 - 160	
Hexachlorobenzene	8.00	5.53	69	40 - 160	
Hexachlorobutadiene	8.00	4.22	53	40 - 160	
Hexachlorocyclopentadiene	8.00	ND	44	40 - 160	
Hexachloroethane	8.00	4.17	52	40 - 160	
Indeno[1,2,3-cd]pyrene	8.00	6.00	75	40 - 160	
Isophorone	8.00	7.69	96	40 - 160	
N-Nitrosodi-n-propylamine	8.00	7.34	92	40 - 160	
N-Nitrosodiphenylamine	16.0	13.1	82	40 - 160	
Naphthalene	8.00	5.63	70	40 - 160	
Nitrobenzene	8.00	6.71	84	40 - 160	
Pentachlorophenol	16.0	ND	73	10 - 120	
Phenanthrene	8.00	6.14	77	40 - 160	
Phenol	8.00	3.99	50	10 - 120	
Pyrene	8.00	5.96	75	40 - 160	
bis (2-chloroisopropyl) ether	8.00	6.53	82	40 - 160	
2,6-Dinitrotoluene	8.00	7.32	91	40 - 160	
4-Nitrophenol	16.0	7.87	49	10 - 120	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	101	31 - 115
Phenol-d5 (Surr)	52	10 - 110
Nitrobenzene-d5 (Surr)	91	31 - 110
2-Fluorophenol (Surr)	69	15 - 110
2-Fluorobiphenyl (Surr)	86	29 - 110
2,4,6-Tribromophenol (Surr)	94	21 - 128

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108045 **Method: 8081B**
Preparation: 3520C

Lab Sample ID:	MB 240-108045/19-A	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-108045	Lab File ID:	P3111118.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2013 0755	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	11/01/2013 0912			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
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
4,4'-DDD	ND		0.0096	0.050
4,4'-DDE	ND		0.0097	0.050
4,4'-DDT	ND		0.016	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
Methoxychlor	ND		0.032	0.10
Toxaphene	ND		0.32	2.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	79	30 - 121
Tetrachloro-m-xylene	87	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	30 - 121
Tetrachloro-m-xylene	87	40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Lab Control Sample - Batch: 240-108045

Method: 8081B
Preparation: 3520C

Lab Sample ID:	LCS 240-108045/20-A	Analysis Batch:	240-109145	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-108045	Lab File ID:	P3111129.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/11/2013 1138	Units:	ug/L	Final Weight/Volume:	5.0 mL
Prep Date:	11/01/2013 0912			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	0.500	0.519	104	40 - 155	
alpha-BHC	0.500	0.562	112	52 - 160	
alpha-Chlordane	0.500	0.553	111	44 - 160	
beta-BHC	0.500	0.540	108	60 - 160	
4,4'-DDD	0.500	0.549	110	61 - 160	
4,4'-DDE	0.500	0.585	117	50 - 160	
4,4'-DDT	0.500	0.715	143	43 - 158	
delta-BHC	0.500	0.522	104	55 - 167	
Dieldrin	0.500	0.561	112	62 - 160	
Endosulfan I	0.500	0.445	89	58 - 154	
Endosulfan II	0.500	0.549	110	56 - 145	
Endosulfan sulfate	0.500	0.627	125	64 - 151	
Endrin	0.500	0.607	121	59 - 156	
Endrin aldehyde	0.500	0.582	116	58 - 136	
Endrin ketone	0.500	0.621	124	51 - 138	
gamma-BHC (Lindane)	0.500	0.587	117	65 - 158	
gamma-Chlordane	0.500	0.556	111	58 - 160	
Heptachlor	0.500	0.564	113	40 - 143	
Heptachlor epoxide	0.500	0.552	110	61 - 160	
Methoxychlor	0.500	0.849	170	44 - 144	*

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	78	30 - 121
Tetrachloro-m-xylene	86	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	30 - 121
Tetrachloro-m-xylene	89	40 - 120

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108583

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-108583/1-A	Analysis Batch:	240-108923	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 0903	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				
Leach Date:	N/A				

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

Lab Control Sample - Batch: 240-108583

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-108583/2-A	Analysis Batch:	240-108923	Instrument ID:	I9
Client Matrix:	Water	Prep Batch:	240-108583	Lab File ID:	I9110713A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 0907	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 0827				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1950	97	80 - 120	
Barium	2000	1910	96	80 - 120	
Cadmium	50.0	50.8	102	80 - 120	
Chromium	200	188	94	80 - 120	
Lead	500	459	92	80 - 120	
Selenium	2000	1930	96	80 - 120	
Silver	50.0	50.0	100	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30872-1

Method Blank - Batch: 240-108588

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-108588/1-A	Analysis Batch:	240-108862	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1255	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-108588

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-108588/2-A	Analysis Batch:	240-108862	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-108588	Lab File ID:	110713A-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/07/2013 1257	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/06/2013 1520				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.89	98	81 - 123	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS


240-30872 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 . **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

1.6, 1.4, 1.8

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. BCB1029131 | Page 1 of 1

Project Name: UTC CARRIER | PO No. 15641 | Project No. 0888814332 | Phase 02

Site Location: Syracuse, NY.

Send Results To: Shane Goodnight

Sampler/Site Phone# Bryan Brister / (615)

Lab Name: TEST AMERICA | Turnaround Time(specify):

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	(3)→ HA	—	—	—	—	NI					Extra Volume for MS/MSD	HOLD
									VOC	BNA	PEST	PCB's	DRO Fingerprint 8015	METALS						
	CARDUPZ03G20131029	DUPE-03	10/29/13	0856	WG	N	N	10	3	2	2	2		1						
	CARTRIP102913	TRIP	10/29/13	1015	WQ	TB	N	1	1											
	CARFDPZ01G20131029	FDPZ-01	10/29/13	1129	WG	N	N	10	3	2	2	2		1						
	CARFDPZ03G20131029	FDPZ-03	10/29/13	1427	WG	N	N	10	3	2	2	2		1						
	CARFDPZ03H20131029	FDPZ-03	10/29/13	1427	WG	FD	N	10	3	2	2	2		1						
	CARFDPZ04G20131029	FDPZ-04	10/29/13	1704	WG	N	N	10	3	2	2	2		1						
	CARDUPZ02G20131030	DUPE-02	10/30/13	0910	WG	N	N	10	3	2	2	2		1						
	CARMW38G20131030	MW-38	10/30/13	1240	WG	N	N	10	3	2	2	2		1						
	CARMW40DG20131030	MW-40D	10/30/13	1521	WG	N	N	10	3	2	2	2		1						

Field **Comments:**

Lab **Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		10/30/13	1730	TA SYR. RENG/ISG	10.30.13	17:30
2		10.30.13	19:00		10.31.13	920
3						

Samples Iced?(check) Yes ✓ No ____

Method of Shipment: Fed EX

Airbill No:

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 Blank, **FD**=Field Duplicate Sample, **FR**=Field Replicate, **MB**=Material Blank, **N**=Normal Environmental Sample, **RB**=Material Rinse Blank, **TB**=Trip Blank

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, **TS**=NO

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 30677**
Canton Facility

Client Ensafe Site Name _____ Cooler unpacked by:

Cooler Received on 10-31-13 Opened on 10-31-13

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box (Other) _____

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

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +2 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 4	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	☑ See Multiple Cooler Form
IR GUN# 5	(CF +2 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 8	(CF -0 °C)	Observed Cooler Temp._____°C	Corrected

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 3	(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# HC385663
11. Were VOAs on the COC?	(Yes)	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	(No) NA
13. Was a trip blank present in the cooler(s)?	(Yes)	No

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

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

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

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

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	8	1.6	1.6	Ice
Client	↓	1.4	1.4	↓
client		1.8	1.8	

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
CARDCDPZ03G20131029	240-30872-D-1	Plastic 500ml - with Nitric Acid	<2		
CARFDPZ01G20131029	240-30872-D-3	Plastic 500ml - with Nitric Acid	<2		
CARFDPZ03G20131029	240-30872-D-4	Plastic 500ml - with Nitric Acid	<2		
CARFDPZ03H20131029	240-30872-D-5	Plastic 500ml - with Nitric Acid	<2		
CARFDPZ04G20131030	240-30872-D-6	Plastic 500ml - with Nitric Acid	<2		
CARDCDPZ02G20131030	240-30872-D-7	Plastic 500ml - with Nitric Acid	<2		
CARMW38G20131030	240-30872-D-8	Plastic 500ml - with Nitric Acid	<2		
CARMW40DG20131030	240-30872-D-9	Plastic 500ml - with Nitric Acid	<2		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

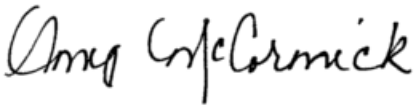
ANALYTICAL REPORT

Job Number: 240-31199-1

Job Description: Former TR-1 Sub-Slab 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
11/19/2013 2:54 PM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/19/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-31199-1

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.

Aroclor-1262 and Aroclor-1268 are 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 samples were received on 11/07/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.6 and 3.2 C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples CARDCDPZ03G20131105 (240-31199-1), CARFDPZ01G20131106 (240-31199-2), CARFDPZ03G20131106 (240-31199-3), CARFDPZ04G20131106 (240-31199-4) and CARDCDPZ02G20131106 (240-31199-5) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/11/2013 and analyzed on 11/12/2013.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-31199-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-31199-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C

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: 240-31199-1

Method	Analyst	Analyst ID
SW846 8082A	Hass, Lori	LSH

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-31199-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-31199-1	CARDCDPZ03G20131105	Water	11/05/2013 1330	11/07/2013 0920
240-31199-2	CARFDPZ01G20131106	Water	11/06/2013 1025	11/07/2013 0920
240-31199-3	CARFDPZ03G20131106	Water	11/06/2013 1150	11/07/2013 0920
240-31199-4	CARFDPZ04G20131106	Water	11/06/2013 1450	11/07/2013 0920
240-31199-5	CARDCDPZ02G20131106	Water	11/06/2013 0850	11/07/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARDCDPZ03G20131105**

Lab Sample ID: 240-31199-1 Date Sampled: 11/05/2013 1330
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	890 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0850			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.076	0.22
Aroclor-1221	ND		0.058	0.22
Aroclor-1232	ND		0.072	0.22
Aroclor-1242	ND		0.099	0.22
Aroclor-1248	ND		0.045	0.22
Aroclor-1254	ND		0.072	0.22
Aroclor-1260	ND		0.076	0.22
Aroclor-1262	ND		0.067	0.22
Aroclor-1268	ND		0.11	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	34		10 - 130
Tetrachloro-m-xylene	90		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARDCDPZ03G20131105**

Lab Sample ID: 240-31199-1 Date Sampled: 11/05/2013 1330
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	890 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0850			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	41		10 - 130
Tetrachloro-m-xylene	73		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARFDPZ01G20131106**

Lab Sample ID: 240-31199-2 Date Sampled: 11/06/2013 1025
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0904			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.068	0.20
Aroclor-1221	ND		0.052	0.20
Aroclor-1232	ND		0.064	0.20
Aroclor-1242	ND		0.088	0.20
Aroclor-1248	ND		0.040	0.20
Aroclor-1254	ND		0.064	0.20
Aroclor-1260	ND		0.068	0.20
Aroclor-1262	ND		0.060	0.20
Aroclor-1268	ND		0.096	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	46		10 - 130
Tetrachloro-m-xylene	88		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARFDPZ01G20131106**

Lab Sample ID: 240-31199-2 Date Sampled: 11/06/2013 1025
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0904			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		10 - 130
Tetrachloro-m-xylene	79		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARFDPZ03G20131106**

Lab Sample ID: 240-31199-3 Date Sampled: 11/06/2013 1150
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0918			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.073	0.22
Aroclor-1221	ND		0.056	0.22
Aroclor-1232	ND		0.069	0.22
Aroclor-1242	ND		0.095	0.22
Aroclor-1248	ND		0.043	0.22
Aroclor-1254	ND		0.069	0.22
Aroclor-1260	ND		0.073	0.22
Aroclor-1262	ND		0.065	0.22
Aroclor-1268	ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	44		10 - 130
Tetrachloro-m-xylene	91		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARFDPZ03G20131106**

Lab Sample ID: 240-31199-3 Date Sampled: 11/06/2013 1150
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0918			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	52		10 - 130
Tetrachloro-m-xylene	81		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARFDPZ04G20131106**

Lab Sample ID: 240-31199-4 Date Sampled: 11/06/2013 1450
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0932			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.072	0.21
Aroclor-1221	ND		0.055	0.21
Aroclor-1232	ND		0.067	0.21
Aroclor-1242	ND		0.093	0.21
Aroclor-1248	ND		0.042	0.21
Aroclor-1254	ND		0.067	0.21
Aroclor-1260	ND		0.072	0.21
Aroclor-1262	ND		0.063	0.21
Aroclor-1268	ND		0.10	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	51		10 - 130
Tetrachloro-m-xylene	81		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARFDPZ04G20131106**

Lab Sample ID: 240-31199-4 Date Sampled: 11/06/2013 1450
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0932			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		10 - 130
Tetrachloro-m-xylene	77		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARDCDPZ02G20131106**

Lab Sample ID: 240-31199-5 Date Sampled: 11/06/2013 0850
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	910 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0946			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.075	0.22
Aroclor-1221	ND		0.057	0.22
Aroclor-1232	ND		0.070	0.22
Aroclor-1242	ND		0.097	0.22
Aroclor-1248	ND		0.044	0.22
Aroclor-1254	ND		0.070	0.22
Aroclor-1260	ND		0.075	0.22
Aroclor-1262	ND		0.066	0.22
Aroclor-1268	ND		0.11	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	33		10 - 130
Tetrachloro-m-xylene	91		23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Client Sample ID: **CARDCDPZ02G20131106**

Lab Sample ID: 240-31199-5 Date Sampled: 11/06/2013 0850
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	910 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 0946			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	39		10 - 130
Tetrachloro-m-xylene	81		23 - 136

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

QUALITY CONTROL RESULTS

Client: EnSafe, Inc. Job Number: 240-31199-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-108939					
LCS 240-108939/4-A	Lab Control Sample	T	Water	3520C	
MB 240-108939/3-A	Method Blank	T	Water	3520C	
240-31199-1	CARDCDPZ03G20131105	T	Water	3520C	
240-31199-2	CARFDPZ01G20131106	T	Water	3520C	
240-31199-3	CARFDPZ03G20131106	T	Water	3520C	
240-31199-4	CARFDPZ04G20131106	T	Water	3520C	
240-31199-5	CARDCDPZ02G20131106	T	Water	3520C	
Analysis Batch:240-109337					
PB 240-109337/2	Preparation / Extraction Blank	T	Water	8082A	
LCS 240-108939/4-A	Lab Control Sample	T	Water	8082A	240-108939
MB 240-108939/3-A	Method Blank	T	Water	8082A	240-108939
240-31199-1	CARDCDPZ03G20131105	T	Water	8082A	240-108939
240-31199-2	CARFDPZ01G20131106	T	Water	8082A	240-108939
240-31199-3	CARFDPZ03G20131106	T	Water	8082A	240-108939
240-31199-4	CARFDPZ04G20131106	T	Water	8082A	240-108939
240-31199-5	CARDCDPZ02G20131106	T	Water	8082A	240-108939

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-31199-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-31199-1	CARDCDPZ03G20131105	34	41	90	73
240-31199-2	CARFDPZ01G20131106	46	62	88	79
240-31199-3	CARFDPZ03G20131106	44	52	91	81
240-31199-4	CARFDPZ04G20131106	51	65	81	77
240-31199-5	CARDCDPZ02G20131106	33	39	91	81
MB 240-108939/3-A		107	121	97	86
LCS 240-108939/4-A		73	104	96	85

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

Method Blank - Batch: 240-108939 **Method: 8082A**
Preparation: 3520C

Lab Sample ID:	MB 240-108939/3-A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-108939	Lab File ID:	P1200019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1015	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/08/2013 0806			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.068	0.20
Aroclor-1221	ND		0.052	0.20
Aroclor-1232	ND		0.064	0.20
Aroclor-1242	ND		0.088	0.20
Aroclor-1248	ND		0.040	0.20
Aroclor-1254	ND		0.064	0.20
Aroclor-1260	ND		0.068	0.20
Aroclor-1262	ND		0.060	0.20
Aroclor-1268	ND		0.096	0.20

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	107	10 - 130
Tetrachloro-m-xylene	97	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	121	10 - 130
Tetrachloro-m-xylene	86	23 - 136

Lab Control Sample - Batch: 240-108939 **Method: 8082A**
Preparation: 3520C

Lab Sample ID:	LCS 240-108939/4-A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-108939	Lab File ID:	P1200029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1236	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/08/2013 0806			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.84	113	66 - 120	
Aroclor-1260	2.50	2.37	95	55 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	73	10 - 130
Tetrachloro-m-xylene	96	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	10 - 130
Tetrachloro-m-xylene	85	23 - 136

Client: EnSafe, Inc. Job Number: 240-31199-1

Preparation / Extraction Blank - Batch: 240-109337

Method: 8082A
Preparation: N/A

Lab Sample ID:	PB 240-109337/2	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1200002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/12/2013 0614	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
Aroclor-1016	ND		34	100
Aroclor-1221	ND		26	100
Aroclor-1232	ND		32	100
Aroclor-1242	ND		44	100
Aroclor-1248	ND		20	100
Aroclor-1254	ND		32	100
Aroclor-1260	ND		34	100
Aroclor-1262	ND		30	100
Aroclor-1268	ND		48	100

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

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

TestAmerica
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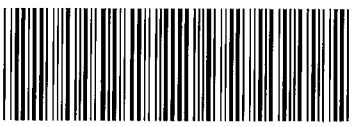
TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-31199 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

2.6

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. 20131105B | Page of

Project Name: Carrier Syracuse TR-1 SubSlab | PO No. | Project No. 14332 | Phase PHO4

Site Location: Syracuse Ny

Send Results To: Shane Goodnight

Sampler/Site Phone# J. Matthews (901) 212-6408

Lab Name: Test America | Turnaround Time(specify):

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	PCB Soil									Extra Volume for MS/MSD	HOLD
	~~DED~~ CARDCDPZ03G20131105	DCDPZ03	11/5/13	1330	WG	N	N	2	2										
	CARFDPZ01G20131106	FDPZ01	11/6/13	1025	WG	N	N	2	2										
	CARFDPZ03G20131106	FDPZ03	11/6/13	1150	WG	N	N	2	2										
	CARFDPZ04G20131106	FDPZ04	11/6/13	1450	WG	N	N	2	2										
	~~CARFDPZ~~		~~11/6/13~~	~~0850~~															
	CARDCDPZ02G20131106	DCDPZ02	11/6/13	0850	WG	N	N	2	2										

Field **Comments:**

Lab **Comments:** Resample 308772

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		11/6/13	1632	TA Syr RE-Rig/Lab	11-6-13	17:30
2	RE	11-6-13,	19:00	Rachel Green	11-7-13	920
3						

(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 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, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 31199**
Canton Facility

Client Ensafe Site Name _____ Cooler unpacked by: [signature]

Cooler Received on 11-7-13 Opened on 11-7-13

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

TestAmerica Cooler # Multi 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 +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 4	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	☐ See Multiple Cooler Form
IR GUN# 5	(CF +2 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF 0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 4 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# **HC391902**
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

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

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

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login # : 31199

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client Coolers	4	2.2	3.0	Ice
1	1	1.6	2.6	1
		1.6	2.6	
		1.6	2.6	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

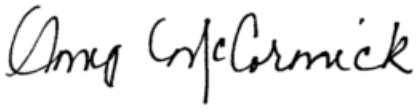
ANALYTICAL REPORT

Job Number: 240-31232-1

Job Description: Former TR-1 Sub-Slab 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
11/22/2013 1:36 PM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/22/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-31232-1

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.

Aroclor-1262 and Aroclor-1268 are 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 samples were received on 11/08/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.8 C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples CARMW40DG20131107 (240-31232-1) and CARMW38G20131107 (240-31232-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/11/2013 and 11/12/2013 and analyzed on 11/12/2013 and 11/13/2013.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-31232-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-31232-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C

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: 240-31232-1

Method	Analyst	Analyst ID
SW846 8082A	Hass, Lori	LSH

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-31232-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-31232-1	CARMW40DG20131107	Water	11/07/2013 0900	11/08/2013 0920
240-31232-2	CARMW38G20131107	Water	11/07/2013 1315	11/08/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-31232-1

Client Sample ID: **CARMW40DG20131107**

Lab Sample ID: 240-31232-1 Date Sampled: 11/07/2013 0900
Client Matrix: Water Date Received: 11/08/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-109163	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1618			Injection Volume:	1 uL
Prep Date:	11/11/2013 0750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.073	0.22
Aroclor-1221	ND		0.056	0.22
Aroclor-1232	ND		0.069	0.22
Aroclor-1242	ND		0.095	0.22
Aroclor-1248	ND		0.043	0.22
Aroclor-1254	ND		0.069	0.22
Aroclor-1260	ND		0.073	0.22
Aroclor-1262	ND		0.065	0.22
Aroclor-1268	ND		0.10	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	36		10 - 130
Tetrachloro-m-xylene	60		23 - 136

Client: EnSafe, Inc. Job Number: 240-31232-1

Client Sample ID: **CARMW40DG20131107**

Lab Sample ID: 240-31232-1 Date Sampled: 11/07/2013 0900
Client Matrix: Water Date Received: 11/08/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-109163	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1618			Injection Volume:	1 uL
Prep Date:	11/11/2013 0750			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		10 - 130
Tetrachloro-m-xylene	37		23 - 136

Client: EnSafe, Inc. Job Number: 240-31232-1

Client Sample ID: **CARMW38G20131107**

Lab Sample ID: 240-31232-2 Date Sampled: 11/07/2013 1315
Client Matrix: Water Date Received: 11/08/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109685	Instrument ID:	A2HP4
Prep Method:	3520C	Prep Batch:	240-109352	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/13/2013 1518			Injection Volume:	1 uL
Prep Date:	11/12/2013 0752			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.18	0.54
Aroclor-1221	ND		0.14	0.54
Aroclor-1232	ND		0.17	0.54
Aroclor-1242	ND		0.24	0.54
Aroclor-1248	ND		0.11	0.54
Aroclor-1254	ND		0.17	0.54
Aroclor-1260	ND		0.18	0.54
Aroclor-1262	ND		0.16	0.54
Aroclor-1268	ND		0.26	0.54

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		10 - 130
Tetrachloro-m-xylene	81		23 - 136

Client: EnSafe, Inc. Job Number: 240-31232-1

Client Sample ID: **CARMW38G20131107**

Lab Sample ID: 240-31232-2 Date Sampled: 11/07/2013 1315
Client Matrix: Water Date Received: 11/08/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109685	Instrument ID:	A2HP4
Prep Method:	3520C	Prep Batch:	240-109352	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/13/2013 1518			Injection Volume:	1 uL
Prep Date:	11/12/2013 0752			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		10 - 130
Tetrachloro-m-xylene	81		23 - 136

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

QUALITY CONTROL RESULTS

Client: EnSafe, Inc. Job Number: 240-31232-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-109163					
LCS 240-109163/11-A	Lab Control Sample	T	Water	3520C	
MB 240-109163/10-A	Method Blank	T	Water	3520C	
240-31232-1	CARMW40DG20131107	T	Water	3520C	
Prep Batch: 240-109352					
LCS 240-109352/3-A	Lab Control Sample	T	Water	3520C	
MB 240-109352/2-A	Method Blank	T	Water	3520C	
240-31232-2	CARMW38G20131107	T	Water	3520C	
Analysis Batch:240-109474					
PB 240-109474/2	Preparation / Extraction Blank	T	Water	8082A	
LCS 240-109163/11-A	Lab Control Sample	T	Water	8082A	240-109163
MB 240-109163/10-A	Method Blank	T	Water	8082A	240-109163
240-31232-1	CARMW40DG20131107	T	Water	8082A	240-109163
Analysis Batch:240-109685					
PB 240-109685/2	Preparation / Extraction Blank	T	Water	8082A	
LCS 240-109352/3-A	Lab Control Sample	T	Water	8082A	240-109352
MB 240-109352/2-A	Method Blank	T	Water	8082A	240-109352
240-31232-2	CARMW38G20131107	T	Water	8082A	240-109352

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 240-31232-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-31232-1	CARMW40DG20131107	36	43	60	37
240-31232-2	CARMW38G20131107	61	61	81	81
MB 240-109163/10-A		53	64	59	56
MB 240-109352/2-A		86	87	78	78
LCS 240-109163/11-A		70	85	64	62
LCS 240-109352/3-A		89	89	84	85

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

Client: EnSafe, Inc. Job Number: 240-31232-1

Method Blank - Batch: 240-109163

Method: 8082A
Preparation: 3520C

Lab Sample ID:	MB 240-109163/10-A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-109163	Lab File ID:	P1100008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1537	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/11/2013 0750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.068	0.20
Aroclor-1221	ND		0.052	0.20
Aroclor-1232	ND		0.064	0.20
Aroclor-1242	ND		0.088	0.20
Aroclor-1248	ND		0.040	0.20
Aroclor-1254	ND		0.064	0.20
Aroclor-1260	ND		0.068	0.20
Aroclor-1262	ND		0.060	0.20
Aroclor-1268	ND		0.096	0.20

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	53	10 - 130
Tetrachloro-m-xylene	59	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	64	10 - 130
Tetrachloro-m-xylene	56	23 - 136

Lab Control Sample - Batch: 240-109163

Method: 8082A
Preparation: 3520C

Lab Sample ID:	LCS 240-109163/11-A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-109163	Lab File ID:	P1100015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1713	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/11/2013 0750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	1.96	78	66 - 120	
Aroclor-1260	2.50	2.15	86	55 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	70	10 - 130
Tetrachloro-m-xylene	64	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	10 - 130
Tetrachloro-m-xylene	62	23 - 136

Client: EnSafe, Inc. Job Number: 240-31232-1

Method Blank - Batch: 240-109352

Method: 8082A
Preparation: 3520C

Lab Sample ID:	MB 240-109352/2-A	Analysis Batch:	240-109685	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-109352	Lab File ID:	P4000016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/13/2013 1533	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/12/2013 0752			Injection Volume:	1 uL
Leach Date:	N/A			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

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	86	10 - 130
Tetrachloro-m-xylene	78	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	87	10 - 130
Tetrachloro-m-xylene	78	23 - 136

Lab Control Sample - Batch: 240-109352

Method: 8082A
Preparation: 3520C

Lab Sample ID:	LCS 240-109352/3-A	Analysis Batch:	240-109685	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	240-109352	Lab File ID:	P4000017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/13/2013 1549	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/12/2013 0752			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.53	91	66 - 120	
Aroclor-1260	5.00	5.03	101	55 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	10 - 130
Tetrachloro-m-xylene	84	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	10 - 130
Tetrachloro-m-xylene	85	23 - 136

Client: EnSafe, Inc. Job Number: 240-31232-1

Preparation / Extraction Blank - Batch: 240-109474

Method: 8082A
Preparation: N/A

Lab Sample ID:	PB 240-109474/2	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1100002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/12/2013 1414	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
Aroclor-1016	ND		34	100
Aroclor-1221	ND		26	100
Aroclor-1232	ND		32	100
Aroclor-1242	ND		44	100
Aroclor-1248	ND		20	100
Aroclor-1254	ND		32	100
Aroclor-1260	ND		34	100
Aroclor-1262	ND		30	100
Aroclor-1268	ND		48	100

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

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

Client: EnSafe, Inc. Job Number: 240-31232-1

Preparation / Extraction Blank - Batch: 240-109685

Method: 8082A
Preparation: N/A

Lab Sample ID:	PB 240-109685/2	Analysis Batch:	240-109685	Instrument ID:	A2HP4
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P4000002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/13/2013 1112	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		34	100
Aroclor-1221	ND		26	100
Aroclor-1232	ND		32	100
Aroclor-1242	ND		44	100
Aroclor-1248	ND		20	100
Aroclor-1254	ND		32	100
Aroclor-1260	ND		34	100
Aroclor-1262	ND		30	100
Aroclor-1268	ND		48	100

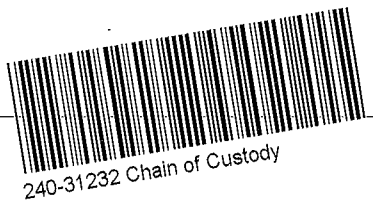
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl		
Tetrachloro-m-xylene		

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



4101 Shuffel Street, N.W. North Canton, OH 44720 **tel** 330.497.9396 **fax** 330.497.0772 **www.testamericainc.com**

2.6 → 3.6 1.8 → 2.8

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

ENSAFE
EnSafe Inc.
800-588-7962

COC No. 20131107B | Page 1 of 1

Project Name: Criterion Syracuse | PO No. | Project No. 14332 | Phase 04

Site Location: Syracuse, NY

Send Results To: Shane Goodnight

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone# J Matthews (901)212-6488

Lab Name: Test America | Turnaround Time(specify): STD

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	PCB									Extra Volume for MS/MSD	HOLD
	CARMW40DG20131107	MW40D	11/7/13	0900	WG	N	N	2	2										
	CARMW38G20131107	MW38	11/7/13	1315	WG	N	N	2	2										

Field **Comments:**

Lab **Comments:**

Sample Shipment and Delivery Details
Number of coolers in shipment:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		11/7/13	1730	1 Resample 30872 Req 24	11-7-13	17:30
2	RE	11-7-13	1900	2	11-8-13	920
3				3		

Samples Iced?(check) Yes_____ No_____
Method of Shipment:
Airbill No:
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 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, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 12/12

TestAmerica Canton Sample Receipt Form/Narrative Login # : 31232
Canton Facility

Client Ensafe Site Name _____ Cooler unpacked by:

Cooler Received on 11-8-13 Opened on 11-8-13

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

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF +5 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °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. 1.8 °C	Corrected Cooler Temp. 2.8 °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 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# **HC391902**
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

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

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

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

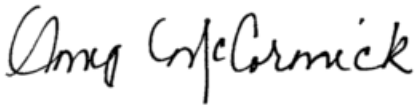
ANALYTICAL REPORT

Job Number: 240-31306-1

Job Description: Former TR-1 Sub-Slab 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
12/16/2013 12:13 PM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
12/16/2013
Revision: 1

CASE NARRATIVE
REVISED

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-31306-1

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.

This report has been revised to incorporate lower method detection limits for 8270C-LVI.

Aroclor-1262 and Aroclor-1268 are 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.

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

RECEIPT

The samples were received on 11/09/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.6 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 11/21/2013.

Samples CARMW36G20131108 (240-31306-1)[500X] and CARMW36H20131108 (240-31306-2)[500X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Toluene was detected in method blank MB 240-110821/6 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 110821 recovered outside control limits for Isopropylbenzene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 11/11/2013 and analyzed on 11/15/2013.

Di-n-butyl phthalate was detected in method blank MB 240-109179/9-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.

No other difficulties were encountered during the SVOCs analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Samples CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 11/12/2013 and analyzed on 11/22/2013.

Tetrachloro-m-xylene failed the surrogate recovery criteria high for CARMW36H20131108 (240-31306-2).

The opening continuing calibration verification (CCV) associated with batch 110987 recovered alpha-BHC, delta-BHC, and DDE above the upper control limits. Samples CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The closing continuing calibration verification (CCV) associated with batch 110987 recovered alpha-BHC, beta-BHC, delta-BHC, Aldrin, and DDE above the upper control limits. Samples CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) 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 CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/11/2013 and analyzed on 11/12/2013.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICP)

Samples CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) were analyzed for total recoverable metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 11/14/2013 and analyzed on 11/19/2013.

Barium was detected in method blank MB 240-109785/1-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 CARMW36G20131108 (240-31306-1) and CARMW36H20131108 (240-31306-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 11/13/2013 and analyzed on 11/14/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-31306-1	**CARMW36G20131108**					
cis-1,2-Dichloroethene		980		500	ug/L	8260C
Toluene		99	J B	500	ug/L	8260C
Trichloroethene		47000		500	ug/L	8260C
Bis(2-ethylhexyl) phthalate		2.2		2.1	ug/L	8270D
Di-n-butyl phthalate		5.3	B	1.0	ug/L	8270D
Total Recoverable						
Barium		61	J B	200	ug/L	6010C
Chromium		180		10	ug/L	6010C
240-31306-2	**CARMW36H20131108**					
cis-1,2-Dichloroethene		900		500	ug/L	8260C
Trichloroethene		45000		500	ug/L	8260C
Di-n-butyl phthalate		4.2	B	1.1	ug/L	8270D
Total Recoverable						
Barium		59	J B	200	ug/L	6010C
Chromium		180		10	ug/L	6010C

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-31306-1

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: 240-31306-1

Method	Analyst	Analyst ID
SW846 8260C	Quayle, Rick	RJQ
SW846 8270D	Hula, Tom	TMH
SW846 8081B	Van Doren, Carolyn	CVD
SW846 8082A	Hass, Lori	LSH
SW846 6010C	Toth, Natalie J	NJT
SW846 7470A	Martin, Aaron	AMM2

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-31306-1	CARMW36G20131108	Water	11/08/2013 0850	11/09/2013 0940
240-31306-2	CARMW36H20131108	Water	11/08/2013 0850	11/09/2013 0940

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM2041.D
Dilution:	500			Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1250			Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1250				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		550	5000
Benzene	ND		65	500
Bromoform	ND		320	500
Bromomethane	ND		210	500
2-Butanone (MEK)	ND		290	5000
Carbon disulfide	ND		65	500
Carbon tetrachloride	ND		65	500
Chlorobenzene	ND		75	500
Chlorodibromomethane	ND		90	500
Chloroethane	ND		150	500
Chloroform	ND		80	500
Chloromethane	ND		150	500
cis-1,2-Dichloroethene	980		85	500
cis-1,3-Dichloropropene	ND		70	500
1,2-Dibromo-3-Chloropropane	ND		340	1000
1,2-Dichlorobenzene	ND		65	500
1,3-Dichlorobenzene	ND		70	500
1,4-Dichlorobenzene	ND		65	500
Dichlorobromomethane	ND		75	500
Dichlorodifluoromethane	ND		160	500
1,1-Dichloroethane	ND		75	500
1,2-Dichloroethane	ND		110	500
1,1-Dichloroethene	ND		95	500
1,2-Dichloropropane	ND		90	500
Ethylbenzene	ND		85	500
Ethylene Dibromide	ND		120	500
2-Hexanone	ND		210	5000
Isopropylbenzene	ND	*	65	500
Methylene Chloride	ND		170	500
4-Methyl-2-pentanone (MIBK)	ND		160	5000
Methyl tert-butyl ether	ND		85	500
Styrene	ND		55	500
1,1,2,2-Tetrachloroethane	ND		90	500
Tetrachloroethene	ND		150	500
Toluene	99	J B	65	500
trans-1,2-Dichloroethene	ND		95	500
trans-1,3-Dichloropropene	ND		95	500
1,2,4-Trichlorobenzene	ND		75	500
1,1,1-Trichloroethane	ND		110	500
1,1,2-Trichloroethane	ND		140	500
Trichloroethene	47000		85	500
Trichlorofluoromethane	ND		110	500
Vinyl chloride	ND		110	500
Xylenes, Total	ND		70	1000

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM2041.D
Dilution:	500			Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1250			Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1250				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		66 - 117
Dibromofluoromethane (Surr)	98		75 - 121
1,2-Dichloroethane-d4 (Surr)	100		63 - 129
Toluene-d8 (Surr)	100		74 - 115

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM2041.D
Dilution:	500			Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1250			Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1250				

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

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM2042.D
Dilution:	500			Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1312			Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1312				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		550	5000
Benzene	ND		65	500
Bromoform	ND		320	500
Bromomethane	ND		210	500
2-Butanone (MEK)	ND		290	5000
Carbon disulfide	ND		65	500
Carbon tetrachloride	ND		65	500
Chlorobenzene	ND		75	500
Chlorodibromomethane	ND		90	500
Chloroethane	ND		150	500
Chloroform	ND		80	500
Chloromethane	ND		150	500
cis-1,2-Dichloroethene	900		85	500
cis-1,3-Dichloropropene	ND		70	500
1,2-Dibromo-3-Chloropropane	ND		340	1000
1,2-Dichlorobenzene	ND		65	500
1,3-Dichlorobenzene	ND		70	500
1,4-Dichlorobenzene	ND		65	500
Dichlorobromomethane	ND		75	500
Dichlorodifluoromethane	ND		160	500
1,1-Dichloroethane	ND		75	500
1,2-Dichloroethane	ND		110	500
1,1-Dichloroethene	ND		95	500
1,2-Dichloropropane	ND		90	500
Ethylbenzene	ND		85	500
Ethylene Dibromide	ND		120	500
2-Hexanone	ND		210	5000
Isopropylbenzene	ND	*	65	500
Methylene Chloride	ND		170	500
4-Methyl-2-pentanone (MIBK)	ND		160	5000
Methyl tert-butyl ether	ND		85	500
Styrene	ND		55	500
1,1,2,2-Tetrachloroethane	ND		90	500
Tetrachloroethene	ND		150	500
Toluene	ND		65	500
trans-1,2-Dichloroethene	ND		95	500
trans-1,3-Dichloropropene	ND		95	500
1,2,4-Trichlorobenzene	ND		75	500
1,1,1-Trichloroethane	ND		110	500
1,1,2-Trichloroethane	ND		140	500
Trichloroethene	45000		85	500
Trichlorofluoromethane	ND		110	500
Vinyl chloride	ND		110	500
Xylenes, Total	ND		70	1000

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM2042.D
Dilution:	500			Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1312			Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1312				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	90		66 - 117
Dibromofluoromethane (Surr)	96		75 - 121
1,2-Dichloroethane-d4 (Surr)	99		63 - 129
Toluene-d8 (Surr)	99		74 - 115

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM2042.D
Dilution:	500			Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1312			Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1312				

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

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-109179	Lab File ID:	1115024.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/15/2013 1831			Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.27	5.2
2,4,5-Trichlorophenol	ND		0.38	5.2
2,4-Dichlorophenol	ND		0.31	2.1
2,4-Dimethylphenol	ND		0.33	2.1
2,4-Dinitrophenol	ND		6.4	42
2,4-Dinitrotoluene	ND		0.27	5.2
2-Chlorophenol	ND		0.14	1.0
2-Methylnaphthalene	ND		0.039	0.21
2-Methylphenol	ND		0.20	1.0
2-Nitroaniline	ND		0.32	2.1
2-Nitrophenol	ND		0.22	2.1
3 & 4 Methylphenol	ND		0.35	2.1
3,3'-Dichlorobenzidine	ND		0.37	5.2
3-Nitroaniline	ND		0.28	2.1
4,6-Dinitro-2-methylphenol	ND		0.55	5.2
4-Bromophenyl phenyl ether	ND		0.36	2.1
4-Chloro-3-methylphenol	ND		0.29	2.1
4-Chloroaniline	ND		0.16	2.1
4-Chlorophenyl phenyl ether	ND		0.31	2.1
4-Nitroaniline	ND		0.25	2.1
Acenaphthene	ND		0.046	0.21
Acenaphthylene	ND		0.021	0.21
Acetophenone	ND		0.15	1.0
Anthracene	ND		0.032	0.21
Benzo[a]anthracene	ND		0.061	0.21
Benzo[a]pyrene	ND		0.031	0.21
Benzo[b]fluoranthene	ND		0.061	0.21
Benzo[g,h,i]perylene	ND		0.052	0.21
Benzo[k]fluoranthene	ND		0.050	0.21
Bis(2-chloroethoxy)methane	ND		0.039	1.0
Bis(2-chloroethyl)ether	ND		0.20	1.0
Bis(2-ethylhexyl) phthalate	2.2		1.6	2.1
Butyl benzyl phthalate	ND		0.23	1.0
Carbazole	ND		0.11	1.0
Chrysene	ND		0.036	0.21
Di-n-butyl phthalate	5.3	B	0.41	1.0
Di-n-octyl phthalate	ND		0.38	1.0
Dibenz(a,h)anthracene	ND		0.042	0.21
Dibenzofuran	ND		0.14	1.0
Diethyl phthalate	ND		0.13	1.0
Dimethyl phthalate	ND		0.11	1.0
Fluoranthene	ND		0.028	0.21
Fluorene	ND		0.035	0.21
Hexachlorobenzene	ND		0.12	1.0
Hexachlorobutadiene	ND		0.15	1.0
Hexachlorocyclopentadiene	ND		2.6	10

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-109179	Lab File ID:	1115024.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	11/15/2013 1831			Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.23	1.0
Indeno[1,2,3-cd]pyrene	ND		0.050	0.21
Isophorone	ND		0.044	1.0
N-Nitrosodi-n-propylamine	ND		0.17	1.0
N-Nitrosodiphenylamine	ND		0.12	1.0
Naphthalene	ND		0.045	0.21
Nitrobenzene	ND		0.12	1.0
Pentachlorophenol	ND		5.7	42
Phenanthrene	ND		0.032	0.21
Phenol	ND		0.16	1.0
Pyrene	ND		0.029	0.21
bis (2-chloroisopropyl) ether	ND		0.19	1.0
2,6-Dinitrotoluene	ND		0.24	5.2
4-Nitrophenol	ND		0.61	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	92		31 - 115
Phenol-d5 (Surr)	55		10 - 110
Nitrobenzene-d5 (Surr)	67		31 - 110
2-Fluorophenol (Surr)	63		15 - 110
2-Fluorobiphenyl (Surr)	59		29 - 110
2,4,6-Tribromophenol (Surr)	65		21 - 128

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-109179	Lab File ID:	1115025.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	11/15/2013 1853			Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,6-Trichlorophenol	ND		0.28	5.4
2,4,5-Trichlorophenol	ND		0.40	5.4
2,4-Dichlorophenol	ND		0.32	2.2
2,4-Dimethylphenol	ND		0.34	2.2
2,4-Dinitrophenol	ND		6.7	43
2,4-Dinitrotoluene	ND		0.28	5.4
2-Chlorophenol	ND		0.14	1.1
2-Methylnaphthalene	ND		0.040	0.22
2-Methylphenol	ND		0.20	1.1
2-Nitroaniline	ND		0.33	2.2
2-Nitrophenol	ND		0.23	2.2
3 & 4 Methylphenol	ND		0.37	2.2
3,3'-Dichlorobenzidine	ND		0.38	5.4
3-Nitroaniline	ND		0.29	2.2
4,6-Dinitro-2-methylphenol	ND		0.57	5.4
4-Bromophenyl phenyl ether	ND		0.38	2.2
4-Chloro-3-methylphenol	ND		0.30	2.2
4-Chloroaniline	ND		0.16	2.2
4-Chlorophenyl phenyl ether	ND		0.32	2.2
4-Nitroaniline	ND		0.26	2.2
Acenaphthene	ND		0.048	0.22
Acenaphthylene	ND		0.022	0.22
Acetophenone	ND		0.15	1.1
Anthracene	ND		0.034	0.22
Benzo[a]anthracene	ND		0.064	0.22
Benzo[a]pyrene	ND		0.033	0.22
Benzo[b]fluoranthene	ND		0.064	0.22
Benzo[g,h,i]perylene	ND		0.054	0.22
Benzo[k]fluoranthene	ND		0.052	0.22
Bis(2-chloroethoxy)methane	ND		0.040	1.1
Bis(2-chloroethyl)ether	ND		0.21	1.1
Bis(2-ethylhexyl) phthalate	ND		1.7	2.2
Butyl benzyl phthalate	ND		0.23	1.1
Carbazole	ND		0.11	1.1
Chrysene	ND		0.038	0.22
Di-n-butyl phthalate	4.2	B	0.43	1.1
Di-n-octyl phthalate	ND		0.40	1.1
Dibenz(a,h)anthracene	ND		0.043	0.22
Dibenzofuran	ND		0.15	1.1
Diethyl phthalate	ND		0.14	1.1
Dimethyl phthalate	ND		0.11	1.1
Fluoranthene	ND		0.029	0.22
Fluorene	ND		0.037	0.22
Hexachlorobenzene	ND		0.13	1.1
Hexachlorobutadiene	ND		0.15	1.1
Hexachlorocyclopentadiene	ND		2.7	11

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Prep Method:	3510C	Prep Batch:	240-109179	Lab File ID:	1115025.D
Dilution:	1.0			Initial Weight/Volume:	230 mL
Analysis Date:	11/15/2013 1853			Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachloroethane	ND		0.24	1.1
Indeno[1,2,3-cd]pyrene	ND		0.052	0.22
Isophorone	ND		0.046	1.1
N-Nitrosodi-n-propylamine	ND		0.17	1.1
N-Nitrosodiphenylamine	ND		0.12	1.1
Naphthalene	ND		0.047	0.22
Nitrobenzene	ND		0.13	1.1
Pentachlorophenol	ND		5.9	43
Phenanthrene	ND		0.034	0.22
Phenol	ND		0.16	1.1
Pyrene	ND		0.030	0.22
bis (2-chloroisopropyl) ether	ND		0.20	1.1
2,6-Dinitrotoluene	ND		0.26	5.4
4-Nitrophenol	ND		0.64	5.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14 (Surr)	103		31 - 115
Phenol-d5 (Surr)	53		10 - 110
Nitrobenzene-d5 (Surr)	71		31 - 110
2-Fluorophenol (Surr)	62		15 - 110
2-Fluorobiphenyl (Surr)	68		29 - 110
2,4,6-Tribromophenol (Surr)	66		21 - 128

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-109350	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/22/2013 1043			Injection Volume:	1 uL
Prep Date:	11/12/2013 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.0088	0.054
alpha-BHC	ND		0.0075	0.054
alpha-Chlordane	ND		0.015	0.054
beta-BHC	ND		0.0090	0.054
4,4'-DDD	ND		0.010	0.054
4,4'-DDE	ND		0.010	0.054
4,4'-DDT	ND		0.017	0.054
delta-BHC	ND		0.0094	0.054
Dieldrin	ND		0.0081	0.054
Endosulfan I	ND		0.014	0.054
Endosulfan II	ND		0.013	0.054
Endosulfan sulfate	ND		0.012	0.054
Endrin	ND		0.012	0.054
Endrin aldehyde	ND		0.012	0.054
Endrin ketone	ND		0.0084	0.054
gamma-BHC (Lindane)	ND		0.0069	0.054
gamma-Chlordane	ND		0.013	0.054
Heptachlor	ND		0.0086	0.054
Heptachlor epoxide	ND		0.0076	0.054
Methoxychlor	ND		0.034	0.11
Toxaphene	ND		0.34	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67		30 - 121
Tetrachloro-m-xylene	91		40 - 120

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-109350	Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/22/2013 1043			Injection Volume:	1 uL
Prep Date:	11/12/2013 0742			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		30 - 121
Tetrachloro-m-xylene	77		40 - 120

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-109350	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/22/2013 1103			Injection Volume:	1 uL
Prep Date:	11/12/2013 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	ND		0.0086	0.053
alpha-BHC	ND		0.0074	0.053
alpha-Chlordane	ND		0.015	0.053
beta-BHC	ND		0.0088	0.053
4,4'-DDD	ND		0.010	0.053
4,4'-DDE	ND		0.010	0.053
4,4'-DDT	ND		0.017	0.053
delta-BHC	ND		0.0092	0.053
Dieldrin	ND		0.0079	0.053
Endosulfan I	ND		0.014	0.053
Endosulfan II	ND		0.013	0.053
Endosulfan sulfate	ND		0.012	0.053
Endrin	ND		0.012	0.053
Endrin aldehyde	ND		0.012	0.053
Endrin ketone	ND		0.0082	0.053
gamma-BHC (Lindane)	ND		0.0067	0.053
gamma-Chlordane	ND		0.013	0.053
Heptachlor	ND		0.0084	0.053
Heptachlor epoxide	ND		0.0075	0.053
Methoxychlor	ND		0.034	0.11
Toxaphene	ND		0.34	2.1

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	75		30 - 121
Tetrachloro-m-xylene	169	X	40 - 120

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Prep Method:	3520C	Prep Batch:	240-109350	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	11/22/2013 1103			Injection Volume:	1 uL
Prep Date:	11/12/2013 0742			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		30 - 121
Tetrachloro-m-xylene	95		40 - 120

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-109163	Initial Weight/Volume:	900 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1646			Injection Volume:	1 uL
Prep Date:	11/11/2013 0750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.076	0.22
Aroclor-1221	ND		0.058	0.22
Aroclor-1232	ND		0.071	0.22
Aroclor-1242	ND		0.098	0.22
Aroclor-1248	ND		0.044	0.22
Aroclor-1254	ND		0.071	0.22
Aroclor-1260	ND		0.076	0.22
Aroclor-1262	ND		0.067	0.22
Aroclor-1268	ND		0.11	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	45		10 - 130
Tetrachloro-m-xylene	51		23 - 136

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-109163	Initial Weight/Volume:	900 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1646			Injection Volume:	1 uL
Prep Date:	11/11/2013 0750			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		10 - 130
Tetrachloro-m-xylene	48		23 - 136

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-109163	Initial Weight/Volume:	940 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1700			Injection Volume:	1 uL
Prep Date:	11/11/2013 0750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.072	0.21
Aroclor-1221	ND		0.055	0.21
Aroclor-1232	ND		0.068	0.21
Aroclor-1242	ND		0.094	0.21
Aroclor-1248	ND		0.043	0.21
Aroclor-1254	ND		0.068	0.21
Aroclor-1260	ND		0.072	0.21
Aroclor-1262	ND		0.064	0.21
Aroclor-1268	ND		0.10	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	48		10 - 130
Tetrachloro-m-xylene	66		23 - 136

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-109163	Initial Weight/Volume:	940 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1700			Injection Volume:	1 uL
Prep Date:	11/11/2013 0750			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		10 - 130
Tetrachloro-m-xylene	60		23 - 136

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36G20131108**

Lab Sample ID: 240-31306-1 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-110456	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-109785	Lab File ID:	I61118A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/19/2013 0054			Final Weight/Volume:	50 mL
Prep Date:	11/14/2013 0812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	61	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	180		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-109943	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-109576	Lab File ID:	111413B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2013 1650			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1530				

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Client Sample ID: **CARMW36H20131108**

Lab Sample ID: 240-31306-2 Date Sampled: 11/08/2013 0850
Client Matrix: Water Date Received: 11/09/2013 0940

6010C Metals (ICP)-Total Recoverable

Analysis Method:	6010C	Analysis Batch:	240-110456	Instrument ID:	I6
Prep Method:	3005A	Prep Batch:	240-109785	Lab File ID:	I61118A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/19/2013 0100			Final Weight/Volume:	50 mL
Prep Date:	11/14/2013 0812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	ND		3.2	15
Barium	59	J B	0.67	200
Cadmium	ND		0.66	5.0
Chromium	180		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	240-109943	Instrument ID:	H1
Prep Method:	7470A	Prep Batch:	240-109576	Lab File ID:	111413B-HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2013 1652			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1530				

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

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi 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 Semi VOA		
	X	Surrogate is outside control limits
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

Client: EnSafe, Inc. Job Number: 240-31306-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-110821					
LCS 240-110821/4	Lab Control Sample	T	Water	8260C	
MB 240-110821/6	Method Blank	T	Water	8260C	
240-31306-1	CARMW36G20131108	T	Water	8260C	
240-31306-2	CARMW36H20131108	T	Water	8260C	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-109179					
LCS 240-109179/10-A	Lab Control Sample	T	Water	3510C	
MB 240-109179/9-A	Method Blank	T	Water	3510C	
240-31306-1	CARMW36G20131108	T	Water	3510C	
240-31306-2	CARMW36H20131108	T	Water	3510C	
Analysis Batch:240-109956					
LCS 240-109179/10-A	Lab Control Sample	T	Water	8270D	240-109179
MB 240-109179/9-A	Method Blank	T	Water	8270D	240-109179
240-31306-1	CARMW36G20131108	T	Water	8270D	240-109179
240-31306-2	CARMW36H20131108	T	Water	8270D	240-109179

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-31306-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-109163					
LCS 240-109163/11-A	Lab Control Sample	T	Water	3520C	
MB 240-109163/10-A	Method Blank	T	Water	3520C	
240-31306-1	CARMW36G20131108	T	Water	3520C	
240-31306-2	CARMW36H20131108	T	Water	3520C	
Prep Batch: 240-109350					
LCS 240-109350/12-A	Lab Control Sample	T	Water	3520C	
MB 240-109350/11-A	Method Blank	T	Water	3520C	
240-31306-1	CARMW36G20131108	T	Water	3520C	
240-31306-2	CARMW36H20131108	T	Water	3520C	
Analysis Batch:240-109474					
PB 240-109474/2	Preparation / Extraction Blank	T	Water	8082A	
LCS 240-109163/11-A	Lab Control Sample	T	Water	8082A	240-109163
MB 240-109163/10-A	Method Blank	T	Water	8082A	240-109163
240-31306-1	CARMW36G20131108	T	Water	8082A	240-109163
240-31306-2	CARMW36H20131108	T	Water	8082A	240-109163
Analysis Batch:240-110987					
PB 240-110987/6	Preparation / Extraction Blank	T	Water	8081B	
LCS 240-109350/12-A	Lab Control Sample	T	Water	8081B	240-109350
MB 240-109350/11-A	Method Blank	T	Water	8081B	240-109350
240-31306-1	CARMW36G20131108	T	Water	8081B	240-109350
240-31306-2	CARMW36H20131108	T	Water	8081B	240-109350

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-31306-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-109576					
LCS 240-109576/2-A	Lab Control Sample	T	Water	7470A	
MB 240-109576/1-A	Method Blank	T	Water	7470A	
240-31306-1	CARMW36G20131108	T	Water	7470A	
240-31306-2	CARMW36H20131108	T	Water	7470A	
Prep Batch: 240-109785					
LCS 240-109785/2-A	Lab Control Sample	R	Water	3005A	
MB 240-109785/1-A	Method Blank	R	Water	3005A	
240-31306-1	CARMW36G20131108	R	Water	3005A	
240-31306-2	CARMW36H20131108	R	Water	3005A	
Analysis Batch:240-109943					
LCS 240-109576/2-A	Lab Control Sample	T	Water	7470A	240-109576
MB 240-109576/1-A	Method Blank	T	Water	7470A	240-109576
240-31306-1	CARMW36G20131108	T	Water	7470A	240-109576
240-31306-2	CARMW36H20131108	T	Water	7470A	240-109576
Analysis Batch:240-110456					
LCS 240-109785/2-A	Lab Control Sample	R	Water	6010C	240-109785
MB 240-109785/1-A	Method Blank	R	Water	6010C	240-109785
240-31306-1	CARMW36G20131108	R	Water	6010C	240-109785
240-31306-2	CARMW36H20131108	R	Water	6010C	240-109785

Report Basis

R = Total Recoverable

T = Total

Client: EnSafe, Inc.

Job Number: 240-31306-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	DCA %Rec	TOL %Rec
240-31306-1	CARMW36G20131108	91	98	100	100
240-31306-2	CARMW36H20131108	90	96	99	99
MB 240-110821/6		86	92	95	94
LCS 240-110821/4		95	96	93	100

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene (Surr)	66-117
DBFM = Dibromofluoromethane (Surr)	75-121
DCA = 1,2-Dichloroethane-d4 (Surr)	63-129
TOL = Toluene-d8 (Surr)	74-115

Client: EnSafe, Inc. Job Number: 240-31306-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TPH %Rec	PHL %Rec	NBZ %Rec	2FP %Rec	FBP %Rec	TBP %Rec
240-31306-1	CARMW36G20131108	92	55	67	63	59	65
240-31306-2	CARMW36H20131108	103	53	71	62	68	66
MB 240-109179/9-A		96	44	79	60	74	67
LCS 240-109179/10-A		109	62	91	76	90	90

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

Client: EnSafe, Inc.

Job Number: 240-31306-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-31306-1	CARMW36G20131108	68	67	77	91
240-31306-2	CARMW36H20131108	77	75	95	169X
MB 240-109350/11-A		89	88	85	83
LCS 240-109350/12-A		35	34	78	78

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

Client: EnSafe, Inc.

Job Number: 240-31306-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-31306-1	CARMW36G20131108	45	55	51	48
240-31306-2	CARMW36H20131108	48	59	66	60
MB 240-109163/10-A		53	64	59	56
LCS 240-109163/11-A		70	85	64	62

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-110821 **Method: 8260C**
Preparation: 5030C

Lab Sample ID:	MB 240-110821/6	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM2035.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1024	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1024				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	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
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Dichlorodifluoromethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2-Dichloropropane	ND		0.18	1.0
Ethylbenzene	ND		0.17	1.0
Ethylene Dibromide	ND		0.24	1.0
2-Hexanone	ND		0.41	10
Isopropylbenzene	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
m-Xylene & p-Xylene	ND		0.24	2.0
o-Xylene	ND		0.14	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.135	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
Vinyl chloride	ND		0.22	1.0

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-110821

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 240-110821/6	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM2035.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 1024	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 1024				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	86	66 - 117
Dibromofluoromethane (Surr)	92	75 - 121
1,2-Dichloroethane-d4 (Surr)	95	63 - 129
Toluene-d8 (Surr)	94	74 - 115

Method Blank TICs- Batch: 240-110821

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Control Sample - Batch: 240-110821

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-110821/4	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM2033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 0939	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 0939				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	50.0	53.3	107	43 - 136	
Benzene	25.0	25.8	103	83 - 112	
Bromoform	25.0	20.2	81	40 - 131	
Bromomethane	25.0	19.6	78	11 - 185	
2-Butanone (MEK)	50.0	50.7	101	60 - 126	
Carbon disulfide	25.0	26.6	106	62 - 142	
Carbon tetrachloride	25.0	26.3	105	66 - 128	
Chlorobenzene	25.0	25.7	103	85 - 110	
Chlorodibromomethane	25.0	25.5	102	64 - 119	
Chloroethane	25.0	21.1	84	25 - 153	
Chloroform	25.0	26.6	106	79 - 117	
Chloromethane	25.0	23.0	92	44 - 126	
cis-1,2-Dichloroethene	25.0	25.4	102	80 - 113	
cis-1,3-Dichloropropene	25.0	25.8	103	61 - 115	
1,2-Dibromo-3-Chloropropane	25.0	21.0	84	42 - 136	
1,2-Dichlorobenzene	25.0	25.0	100	81 - 110	
1,3-Dichlorobenzene	25.0	24.9	100	80 - 110	
1,4-Dichlorobenzene	25.0	24.9	100	82 - 110	
Dichlorobromomethane	25.0	26.1	104	72 - 121	
Dichlorodifluoromethane	25.0	20.6	83	19 - 129	
1,1-Dichloroethane	25.0	27.0	108	82 - 115	
1,2-Dichloroethane	25.0	27.1	109	71 - 127	
1,1-Dichloroethene	25.0	24.9	100	78 - 131	
1,2-Dichloropropane	25.0	25.6	102	81 - 115	
Ethylbenzene	25.0	27.1	108	83 - 112	
Ethylene Dibromide	25.0	24.8	99	79 - 113	
2-Hexanone	50.0	45.1	90	55 - 133	
Isopropylbenzene	25.0	28.7	115	75 - 114	*
Methylene Chloride	25.0	21.5	86	66 - 131	
4-Methyl-2-pentanone (MIBK)	50.0	46.4	93	63 - 128	
Methyl tert-butyl ether	25.0	24.4	97	52 - 144	
m-Xylene & p-Xylene	25.0	27.3	109	83 - 113	
o-Xylene	25.0	27.1	109	83 - 113	
Styrene	25.0	26.7	107	79 - 114	
1,1,2,2-Tetrachloroethane	25.0	22.4	89	68 - 118	
Tetrachloroethene	25.0	27.6	111	79 - 114	
Toluene	25.0	25.1	100	84 - 111	
trans-1,2-Dichloroethene	25.0	26.3	105	83 - 117	
trans-1,3-Dichloropropene	25.0	28.4	114	58 - 117	
1,2,4-Trichlorobenzene	25.0	25.2	101	48 - 135	
1,1,1-Trichloroethane	25.0	27.7	111	74 - 118	

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Control Sample - Batch: 240-110821

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 240-110821/4	Analysis Batch:	240-110821	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM2033.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	11/21/2013 0939	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	11/21/2013 0939				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	25.0	23.3	93	80 - 112	
Trichloroethene	25.0	26.4	106	76 - 117	
Trichlorofluoromethane	25.0	22.6	90	49 - 157	
Vinyl chloride	25.0	22.8	91	53 - 127	
Xylenes, Total	50.0	54.4	109	83 - 112	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	95	66 - 117
Dibromofluoromethane (Surr)	96	75 - 121
1,2-Dichloroethane-d4 (Surr)	93	63 - 129
Toluene-d8 (Surr)	100	74 - 115

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-109179 **Method: 8270D**
Preparation: 3510C

Lab Sample ID:	MB 240-109179/9-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-109179	Lab File ID:	1115014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1448	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,6-Trichlorophenol	ND		0.26	5.0
2,4,5-Trichlorophenol	ND		0.37	5.0
2,4-Dichlorophenol	ND		0.29	2.0
2,4-Dimethylphenol	ND		0.31	2.0
2,4-Dinitrophenol	ND		6.1	40
2,4-Dinitrotoluene	ND		0.26	5.0
2-Chlorophenol	ND		0.13	1.0
2-Methylnaphthalene	ND		0.037	0.20
2-Methylphenol	ND		0.19	1.0
2-Nitroaniline	ND		0.31	2.0
2-Nitrophenol	ND		0.21	2.0
3 & 4 Methylphenol	ND		0.34	2.0
3,3'-Dichlorobenzidine	ND		0.35	5.0
3-Nitroaniline	ND		0.27	2.0
4,6-Dinitro-2-methylphenol	ND		0.53	5.0
4-Bromophenyl phenyl ether	ND		0.35	2.0
4-Chloro-3-methylphenol	ND		0.28	2.0
4-Chloroaniline	ND		0.15	2.0
4-Chlorophenyl phenyl ether	ND		0.29	2.0
4-Nitroaniline	ND		0.24	2.0
Acenaphthene	ND		0.044	0.20
Acenaphthylene	ND		0.020	0.20
Acetophenone	ND		0.14	1.0
Anthracene	ND		0.031	0.20
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
Bis(2-chloroethoxy)methane	ND		0.037	1.0
Bis(2-chloroethyl)ether	ND		0.19	1.0
Bis(2-ethylhexyl) phthalate	ND		1.5	2.0
Butyl benzyl phthalate	ND		0.22	1.0
Carbazole	ND		0.11	1.0
Chrysene	ND		0.035	0.20
Di-n-butyl phthalate	3.75		0.40	1.0
Di-n-octyl phthalate	ND		0.37	1.0
Dibenz(a,h)anthracene	ND		0.040	0.20
Dibenzofuran	ND		0.14	1.0
Diethyl phthalate	ND		0.13	1.0
Dimethyl phthalate	ND		0.10	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

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-109179

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 240-109179/9-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-109179	Lab File ID:	1115014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1448	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexachlorocyclopentadiene	ND		2.5	10
Hexachloroethane	ND		0.22	1.0
Indeno[1,2,3-cd]pyrene	ND		0.048	0.20
Isophorone	ND		0.042	1.0
N-Nitrosodi-n-propylamine	ND		0.16	1.0
N-Nitrosodiphenylamine	ND		0.11	1.0
Naphthalene	ND		0.043	0.20
Nitrobenzene	ND		0.12	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
bis (2-chloroisopropyl) ether	ND		0.18	1.0
2,6-Dinitrotoluene	ND		0.24	5.0
4-Nitrophenol	ND		0.59	5.0

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	96	31 - 115
Phenol-d5 (Surr)	44	10 - 110
Nitrobenzene-d5 (Surr)	79	31 - 110
2-Fluorophenol (Surr)	60	15 - 110
2-Fluorobiphenyl (Surr)	74	29 - 110
2,4,6-Tribromophenol (Surr)	67	21 - 128

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Control Sample - Batch: 240-109179

Method: 8270D
Preparation: 3510C

Lab Sample ID:	LCS 240-109179/10-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-109179	Lab File ID:	1115015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1510	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4,6-Trichlorophenol	8.00	7.98	100	40 - 160	
2,4,5-Trichlorophenol	8.00	7.85	98	20 - 120	
2,4-Dichlorophenol	8.00	8.74	109	40 - 160	
2,4-Dimethylphenol	8.00	7.74	97	10 - 120	
2,4-Dinitrophenol	16.0	11.6	73	20 - 120	J
2,4-Dinitrotoluene	8.00	8.27	103	40 - 160	
2-Chlorophenol	8.00	8.10	101	40 - 160	
2-Methylnaphthalene	8.00	7.39	92	40 - 160	
2-Methylphenol	8.00	8.04	101	20 - 120	
2-Nitroaniline	8.00	7.96	100	40 - 160	
2-Nitrophenol	8.00	8.43	105	40 - 160	
3 & 4 Methylphenol	8.00	8.02	100	40 - 160	
3,3'-Dichlorobenzidine	16.0	10.9	68	10 - 120	
3-Nitroaniline	8.00	8.20	102	40 - 160	
4,6-Dinitro-2-methylphenol	16.0	13.2	83	40 - 160	
4-Bromophenyl phenyl ether	8.00	8.06	101	40 - 160	
4-Chloro-3-methylphenol	8.00	8.05	101	40 - 160	
4-Chloroaniline	8.00	5.24	66	10 - 120	
4-Chlorophenyl phenyl ether	8.00	7.82	98	40 - 160	
4-Nitroaniline	8.00	8.14	102	40 - 160	
Acenaphthene	8.00	7.43	93	40 - 160	
Acenaphthylene	8.00	7.37	92	40 - 160	
Acetophenone	8.00	9.12	114	40 - 160	
Anthracene	8.00	7.69	96	40 - 160	
Benzo[a]anthracene	8.00	7.91	99	40 - 160	
Benzo[a]pyrene	8.00	8.05	101	40 - 160	
Benzo[b]fluoranthene	8.00	8.20	103	40 - 160	
Benzo[g,h,i]perylene	8.00	8.32	104	40 - 160	
Benzo[k]fluoranthene	8.00	8.40	105	40 - 160	
Bis(2-chloroethoxy)methane	8.00	8.73	109	40 - 160	
Bis(2-chloroethyl)ether	8.00	8.17	102	40 - 160	
Bis(2-ethylhexyl) phthalate	8.00	9.75	122	40 - 160	
Butyl benzyl phthalate	8.00	8.48	106	40 - 160	
Carbazole	8.00	8.71	109	40 - 160	
Chrysene	8.00	7.99	100	40 - 160	
Di-n-butyl phthalate	8.00	12.1	151	40 - 160	
Di-n-octyl phthalate	8.00	8.43	105	40 - 160	
Dibenz(a,h)anthracene	8.00	8.23	103	40 - 160	
Dibenzofuran	8.00	7.55	94	40 - 160	
Diethyl phthalate	8.00	8.51	106	40 - 160	
Dimethyl phthalate	8.00	8.29	104	40 - 160	

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Control Sample - Batch: 240-109179

Method: 8270D
Preparation: 3510C

Lab Sample ID:	LCS 240-109179/10-A	Analysis Batch:	240-109956	Instrument ID:	A4AG2
Client Matrix:	Water	Prep Batch:	240-109179	Lab File ID:	1115015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	11/15/2013 1510	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/11/2013 0824			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoranthene	8.00	8.01	100	40 - 160	
Fluorene	8.00	7.90	99	40 - 160	
Hexachlorobenzene	8.00	7.60	95	40 - 160	
Hexachlorobutadiene	8.00	5.99	75	40 - 160	
Hexachlorocyclopentadiene	8.00	4.85	61	40 - 160	J
Hexachloroethane	8.00	5.84	73	40 - 160	
Indeno[1,2,3-cd]pyrene	8.00	8.06	101	40 - 160	
Isophorone	8.00	9.34	117	40 - 160	
N-Nitrosodi-n-propylamine	8.00	9.22	115	40 - 160	
N-Nitrosodiphenylamine	16.0	16.1	101	40 - 160	
Naphthalene	8.00	7.14	89	40 - 160	
Nitrobenzene	8.00	8.09	101	40 - 160	
Pentachlorophenol	16.0	11.6	72	10 - 120	J
Phenanthrene	8.00	7.85	98	40 - 160	
Phenol	8.00	5.58	70	10 - 120	
Pyrene	8.00	7.99	100	40 - 160	
bis (2-chloroisopropyl) ether	8.00	7.94	99	40 - 160	
2,6-Dinitrotoluene	8.00	8.90	111	40 - 160	
4-Nitrophenol	16.0	10.7	67	10 - 120	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14 (Surr)	109	31 - 115
Phenol-d5 (Surr)	62	10 - 110
Nitrobenzene-d5 (Surr)	91	31 - 110
2-Fluorophenol (Surr)	76	15 - 110
2-Fluorobiphenyl (Surr)	90	29 - 110
2,4,6-Tribromophenol (Surr)	90	21 - 128

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-109350 **Method: 8081B**
Preparation: 3520C

Lab Sample ID:	MB 240-109350/11-A	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-109350	Lab File ID:	P3112124.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2013 0519	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/12/2013 0742			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
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
4,4'-DDD	ND		0.0096	0.050
4,4'-DDE	ND		0.0097	0.050
4,4'-DDT	ND		0.016	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
Methoxychlor	ND		0.032	0.10
Toxaphene	ND		0.32	2.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	30 - 121
Tetrachloro-m-xylene	83	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	30 - 121
Tetrachloro-m-xylene	85	40 - 120

Client: EnSafe, Inc. Job Number: 240-31306-1

Lab Control Sample - Batch: 240-109350

Method: 8081B
Preparation: 3520C

Lab Sample ID:	LCS 240-109350/12-A	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	240-109350	Lab File ID:	P3112125.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/22/2013 0539	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/12/2013 0742			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	0.500	0.483	97	40 - 155	
alpha-BHC	0.500	0.525	105	52 - 160	
alpha-Chlordane	0.500	0.501	100	44 - 160	
beta-BHC	0.500	0.475	95	60 - 160	
4,4'-DDD	0.500	0.590	118	61 - 160	
4,4'-DDE	0.500	0.523	105	50 - 160	
4,4'-DDT	0.500	0.521	104	43 - 158	
delta-BHC	0.500	0.546	109	55 - 167	
Dieldrin	0.500	0.478	96	62 - 160	
Endosulfan I	0.500	0.349	70	58 - 154	
Endosulfan II	0.500	0.315	63	56 - 145	
Endosulfan sulfate	0.500	0.458	92	64 - 151	
Endrin	0.500	0.479	96	59 - 156	
Endrin aldehyde	0.500	0.390	78	58 - 136	
Endrin ketone	0.500	0.403	81	51 - 138	
gamma-BHC (Lindane)	0.500	0.500	100	65 - 158	
gamma-Chlordane	0.500	0.490	98	58 - 160	
Heptachlor	0.500	0.373	75	40 - 143	
Heptachlor epoxide	0.500	0.492	98	61 - 160	
Methoxychlor	0.500	0.536	107	44 - 144	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	34	30 - 121
Tetrachloro-m-xylene	78	40 - 120

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	35	30 - 121
Tetrachloro-m-xylene	78	40 - 120

Client: EnSafe, Inc. Job Number: 240-31306-1

Preparation / Extraction Blank - Batch: 240-110987 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-110987/6	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3112106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/21/2013 2315	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
Aldrin	ND		1.6	10
alpha-BHC	ND		1.4	10
alpha-Chlordane	ND		2.8	10
beta-BHC	ND		1.7	10
4,4'-DDD	ND		1.9	10
4,4'-DDE	ND		1.9	10
4,4'-DDT	ND		3.2	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
Methoxychlor	ND		6.4	20
Toxaphene	ND		64	400

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Preparation / Extraction Blank - Batch: 240-110987 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-110987/6	Analysis Batch:	240-110987	Instrument ID:	A2HP3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P3112106.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/21/2013 2315	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Result	Qual	MDL	RL
Aldrin	ND		1.6	10
alpha-BHC	ND		1.4	10
alpha-Chlordane	ND		2.8	10
beta-BHC	ND		1.7	10
4,4'-DDD	ND		1.9	10
4,4'-DDE	ND		1.9	10
4,4'-DDT	ND		3.2	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
Methoxychlor	ND		6.4	20
Toxaphene	ND		64	400

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-109163 **Method: 8082A**
Preparation: 3520C

Lab Sample ID:	MB 240-109163/10-A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-109163	Lab File ID:	P1100008.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1537	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/11/2013 0750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.068	0.20
Aroclor-1221	ND		0.052	0.20
Aroclor-1232	ND		0.064	0.20
Aroclor-1242	ND		0.088	0.20
Aroclor-1248	ND		0.040	0.20
Aroclor-1254	ND		0.064	0.20
Aroclor-1260	ND		0.068	0.20
Aroclor-1262	ND		0.060	0.20
Aroclor-1268	ND		0.096	0.20

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	53	10 - 130
Tetrachloro-m-xylene	59	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	64	10 - 130
Tetrachloro-m-xylene	56	23 - 136

Lab Control Sample - Batch: 240-109163 **Method: 8082A**
Preparation: 3520C

Lab Sample ID:	LCS 240-109163/11-A	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	240-109163	Lab File ID:	P1100015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1713	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/11/2013 0750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	1.96	78	66 - 120	
Aroclor-1260	2.50	2.15	86	55 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	70	10 - 130
Tetrachloro-m-xylene	64	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	10 - 130
Tetrachloro-m-xylene	62	23 - 136

Client: EnSafe, Inc. Job Number: 240-31306-1

Preparation / Extraction Blank - Batch: 240-109474 **Method: 8082A**
Preparation: N/A

Lab Sample ID:	PB 240-109474/2	Analysis Batch:	240-109474	Instrument ID:	A2HP11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1100002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/12/2013 1414	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
Aroclor-1016	ND		34	100
Aroclor-1221	ND		26	100
Aroclor-1232	ND		32	100
Aroclor-1242	ND		44	100
Aroclor-1248	ND		20	100
Aroclor-1254	ND		32	100
Aroclor-1260	ND		34	100
Aroclor-1262	ND		30	100
Aroclor-1268	ND		48	100

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

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

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-109785

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	MB 240-109785/1-A	Analysis Batch:	240-110456	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-109785	Lab File ID:	I61118A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/18/2013 2358	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/14/2013 0812				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		3.2	15
Barium	1.04	J	0.67	200
Cadmium	ND		0.66	5.0
Chromium	ND		2.2	10
Lead	ND		1.9	10
Selenium	ND		4.1	20
Silver	ND		2.2	10

Lab Control Sample - Batch: 240-109785

Method: 6010C
Preparation: 3005A
Total Recoverable

Lab Sample ID:	LCS 240-109785/2-A	Analysis Batch:	240-110456	Instrument ID:	I6
Client Matrix:	Water	Prep Batch:	240-109785	Lab File ID:	I61118A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/19/2013 0017	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/14/2013 0812				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	2060	103	80 - 120	
Barium	2000	2120	106	80 - 120	
Cadmium	50.0	48.4	97	80 - 120	
Chromium	200	201	101	80 - 120	
Lead	500	488	98	80 - 120	
Selenium	2000	1960	98	80 - 120	
Silver	50.0	51.3	103	80 - 120	

Client: EnSafe, Inc. Job Number: 240-31306-1

Method Blank - Batch: 240-109576

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 240-109576/1-A	Analysis Batch:	240-109943	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-109576	Lab File ID:	111413B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2013 1639	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.12	0.20

Lab Control Sample - Batch: 240-109576

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 240-109576/2-A	Analysis Batch:	240-109943	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-109576	Lab File ID:	111413B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/14/2013 1641	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.73	95	81 - 123	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

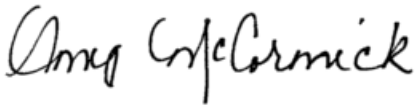
ANALYTICAL REPORT

Job Number: 240-31203-1

Job Description: Former TR-1 Sub-Slab 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
11/19/2013 4:28 PM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/19/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-31203-1

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.

Aroclor-1262 and Aroclor-1268 are 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.

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

RECEIPT

The samples were received on 11/07/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.6 and 3.2 C.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample CARFDPZ02G20131106 (240-31203-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 11/11/2013 and analyzed on 11/12/2013.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-31203-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-31203-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C

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: 240-31203-1

Method	Analyst	Analyst ID
SW846 8082A	Hass, Lori	LSH

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-31203-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-31203-1	CARFDPZ02G20131106	Water	11/06/2013 1620	11/07/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-31203-1

Client Sample ID: **CARFDPZ02G20131106**

Lab Sample ID: 240-31203-1 Date Sampled: 11/06/2013 1620
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1000			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.071	0.21
Aroclor-1221	ND		0.054	0.21
Aroclor-1232	ND		0.067	0.21
Aroclor-1242	ND		0.092	0.21
Aroclor-1248	ND		0.042	0.21
Aroclor-1254	ND		0.067	0.21
Aroclor-1260	ND		0.071	0.21
Aroclor-1262	ND		0.063	0.21
Aroclor-1268	ND		0.10	0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		10 - 130
Tetrachloro-m-xylene	85		23 - 136

Client: EnSafe, Inc. Job Number: 240-31203-1

Client Sample ID: **CARFDPZ02G20131106**

Lab Sample ID: 240-31203-1 Date Sampled: 11/06/2013 1620
Client Matrix: Water Date Received: 11/07/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Prep Method:	3520C	Prep Batch:	240-108939	Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	11/12/2013 1000			Injection Volume:	1 uL
Prep Date:	11/11/2013 1354			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		10 - 130
Tetrachloro-m-xylene	79		23 - 136

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

QUALITY CONTROL RESULTS

Client: EnSafe, Inc. Job Number: 240-31203-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-108939					
LCS 240-108939/4-A	Lab Control Sample	T	Water	3520C	
MB 240-108939/3-A	Method Blank	T	Water	3520C	
240-31203-1	CARFDPZ02G20131106	T	Water	3520C	
Analysis Batch:240-109337					
PB 240-109337/2	Preparation / Extraction Blank	T	Water	8082A	
LCS 240-108939/4-A	Lab Control Sample	T	Water	8082A	240-108939
MB 240-108939/3-A	Method Blank	T	Water	8082A	240-108939
240-31203-1	CARFDPZ02G20131106	T	Water	8082A	240-108939

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 240-31203-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-31203-1	CARFDPZ02G20131106	62	71	85	79
MB 240-108939/3-A		107	121	97	86
LCS 240-108939/4-A		73	104	96	85

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

Client: EnSafe, Inc. Job Number: 240-31203-1

Method Blank - Batch: 240-108939 **Method: 8082A**
Preparation: 3520C

Lab Sample ID:	MB 240-108939/3-A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-108939	Lab File ID:	P1200019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1015	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/08/2013 0806			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.068	0.20
Aroclor-1221	ND		0.052	0.20
Aroclor-1232	ND		0.064	0.20
Aroclor-1242	ND		0.088	0.20
Aroclor-1248	ND		0.040	0.20
Aroclor-1254	ND		0.064	0.20
Aroclor-1260	ND		0.068	0.20
Aroclor-1262	ND		0.060	0.20
Aroclor-1268	ND		0.096	0.20

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	107	10 - 130
Tetrachloro-m-xylene	97	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	121	10 - 130
Tetrachloro-m-xylene	86	23 - 136

Lab Control Sample - Batch: 240-108939 **Method: 8082A**
Preparation: 3520C

Lab Sample ID:	LCS 240-108939/4-A	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	240-108939	Lab File ID:	P1200029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	11/12/2013 1236	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	11/08/2013 0806			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.84	113	66 - 120	
Aroclor-1260	2.50	2.37	95	55 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	73	10 - 130
Tetrachloro-m-xylene	96	23 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	10 - 130
Tetrachloro-m-xylene	85	23 - 136

Client: EnSafe, Inc. Job Number: 240-31203-1

Preparation / Extraction Blank - Batch: 240-109337

Method: 8082A
Preparation: N/A

Lab Sample ID:	PB 240-109337/2	Analysis Batch:	240-109337	Instrument ID:	A2HP12
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1200002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/12/2013 0614	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

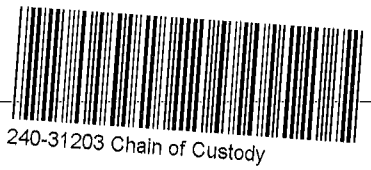
Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		34	100
Aroclor-1221	ND		26	100
Aroclor-1232	ND		32	100
Aroclor-1242	ND		44	100
Aroclor-1248	ND		20	100
Aroclor-1254	ND		32	100
Aroclor-1260	ND		34	100
Aroclor-1262	ND		30	100
Aroclor-1268	ND		48	100

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

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

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



4101 Shuffel Street, N.W. North Canton, OH 44720 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. 20131106B | Page 1 of 1

ENSAFE
EnSafe Inc.
800-588-7962

Project Name: Carmen Supervac TR-1 Sub Slab | PO No. ~~143532~~ | Project No. 14332 Phase 02

Site Location:

Send Results To:

Sample Analysis Requested (*Enter number of containers for each test*)

Sampler/Site Phone#

Lab Name: | Turnaround Time(specify):

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	PUB	Extra Volume for MS/MSD	HOLD
	CARFDP202G20131106	~~FDP202~~ FDP202	11/6/13	1620	WG	N	N	2	2		

Field **Comments:**

Lab **Comments:**
Resample 30937

Sample Shipment and Delivery Details
Number of coolers in shipment:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1		11/6/13	1755	TA SYN		
2	RE	11-6-13	1900	Regina Lira	11-6-13	17:55
3				Annette Green	11/7/13	920

Samples Iced?(check) Yes_____ No_____
Method of Shipment:
Airbill No:
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 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, **HX**=Hexane, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev. 12/12

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

Client Ensafe Site Name_____ Cooler unpacked by: Michael D. Green

Cooler Received on 11-7-13 Opened on 11-7-13

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

TestAmerica Cooler # Multi 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 +2 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	☑ See Multiple Cooler Form
IR GUN# 4	(CF +1 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 5	(CF +2 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	
IR GUN# 8	(CF 0 °C) Observed Cooler Temp._____°C	Corrected Cooler Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 4	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# HC391902
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: Michael D. Green

15. SAMPLE CONDITION

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

16. SAMPLE PRESERVATION

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

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

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client Coolers	4	2.2	3.0	Ice
1	1	1.6	2.6	ONLY THIS Cooler
		1.6	2.6	
		1.6	2.6	