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March 27, 2014

Submitted via e-mail on March 27, 2014

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

Re: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index CO 7-20051118-4
Former Building TR1 Vault Investigation Report, March 2014
NYSDEC Site Registry Number: 734043

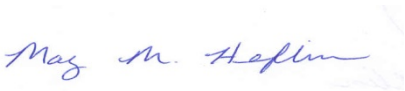
Dear Ms. Blum:

In accordance with the referenced order, Carrier Corporation is providing one hard copy and one electronic copy (PDF via email) of the Former Building TR-1 Vault Investigation Report.

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

Sincerely,

EnSafe Inc.



By: May Mishu Heflin, PE

Enclosure: TR-1 Vault Investigation Report, March 2014

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

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CARRIER CORPORATION
THOMPSON ROAD FACILITY
CARRIER PARKWAY
SYRACUSE, NEW YORK

FORMER BUILDING TR-1 VAULT 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: 0888814331

March 2014

FORMER BUILDING TR-1 VAULT INVESTIGATION

CARRIER CORPORATION
THOMPSON ROAD FACILITY
CARRIER PARKWAY
SYRACUSE, NEW YORK

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

Prepared for:
UTC Shared Remediation Services
United Technologies Building
Hartford, Connecticut 06101

Prepared by:

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EnSafe Project Number: 0888814331

Table of Contents

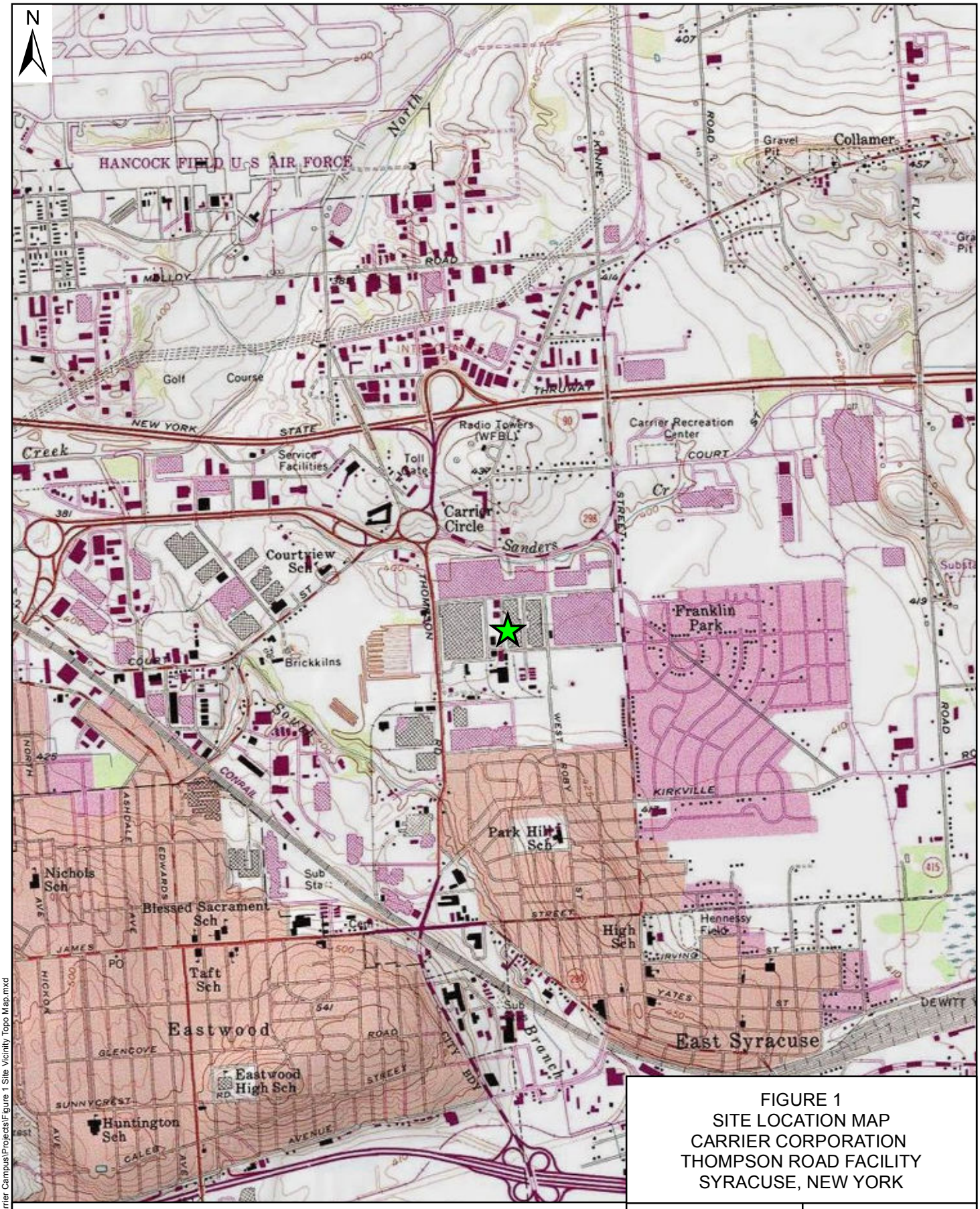
Figures

Tables

Appendices

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 location of the Site is depicted on Figure 1. The purpose of the investigation was to identify potential subsurface impacts associated with a vault located outside the west wall and near the northwest corner of former Building TR-1.



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

FIGURE 1
SITE LOCATION MAP
CARRIER CORPORATION
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

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

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

2.0 BACKGROUND

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 surface water runoff to a newly constructed outfall — Outfall 004. New piping was installed to convey storm water runoff from these areas to the new outfall. A subsurface concrete vault was discovered during storm line construction activities associated with installation of the engineered cover in October 2011. Details relating to the purpose and historic uses of this vault are unknown. Based upon observation of a black oily sheen on materials in the vault at the time the vault was unearthed, Carrier elected to conduct a subsurface investigation to determine if the vault contents had previously leaked into the environment. The layout of the Site, including the former Building TR-1 footprint and the location of the concrete vault, is depicted on Figure 2.

The vault is located approximately 180 feet south of the northwest corner of and abuts the west exterior wall of former Building TR-1. The vault was measured to be approximately 25 feet long, eight feet wide, and four feet deep. The sides and base of the vault are constructed of concrete. The east wall of the vault is comprised of a portion of the west exterior foundation footing of former Building TR-1. When the vault was unearthed, it had no cap, and it was discovered to have been backfilled with pea-gravel, soil, and sludges which exhibited a black oily sheen. The fill materials were removed, to the extent practical, sampled, submitted for laboratory analysis, and disposed of offsite as a hazardous waste.

View of the vault and backfill materials – October 2011.

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

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

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A sample obtained from fill materials within the vault was submitted to Accutest Laboratories, Dayton, New Jersey, for analyses of volatile organic compounds (VOCs) via U.S. Environmental Protection Agency (EPA) Method 8260B, semi-volatile organic compounds (SVOCs) via U.S. EPA Method 8270D, pesticides via U.S. EPA Method 8081B, polychlorinated bi-phenyls (PCBs) via U.S. EPA Method 8082A, and select metals via U.S. EPA Method 6010C/7471B. According to laboratory analytical results, several VOCs, SVOCs, PCBs, and metals analytes were detected at concentrations exceeding the New York State Department of Environmental Conservation Division of Remediation (NYSDEC-DER) Unrestricted Use Soil Cleanup Objectives (SCOs) outlined in Table 375-6.8(b) of 6 New York Codes, Rules and Regulations (NYCRR) Part 375. PCB analytes, Aroclor 1254 and Aroclor 1260, were detected at concentrations in excess of the NYSDEC Restricted Use Commercial SCOs, while benzo(a)pyrene was the only analyte detected at a concentration exceeding the NYSDEC Restricted Use Industrial SCOs.

After removal of the impacted fill materials, the vault was backfilled with clean soil from an excavation stockpile associated with construction of a Site storm water detention pond — Pond #2 (Figure 2). Information on this soil can be found in the *Soils Management Report* prepared by EnSafe on behalf of Carrier and submitted to NYSDEC on January 4, 2012.

3.0 SCOPE OF WORK

3.1 Proposed Scope of Work

EnSafe, on behalf of Carrier, prepared and submitted a *Former Building TR1 Vault Investigation Work Plan, Revision 1* (August 20, 2013) to NYSDEC detailing objectives and methods for the subsurface investigation which included the following:

- Identify whether or not materials historically stored in the vault were released to the subsurface; and,

- Define the nature of environmental impacts resulting from a potential release associated with unknown past vault contents.

The August 2013 work plan was approved by NYSDEC in an email dated August 20, 2013. Notification of scheduled field activities was provided to NYSDEC in a letter dated October 1, 2013, and former Building TR-1 vault investigation activities were initiated on October 16, 2013. Fieldwork performed in the vault area was conducted in general accordance with the approved work plan.

3.2 Subsurface Investigation

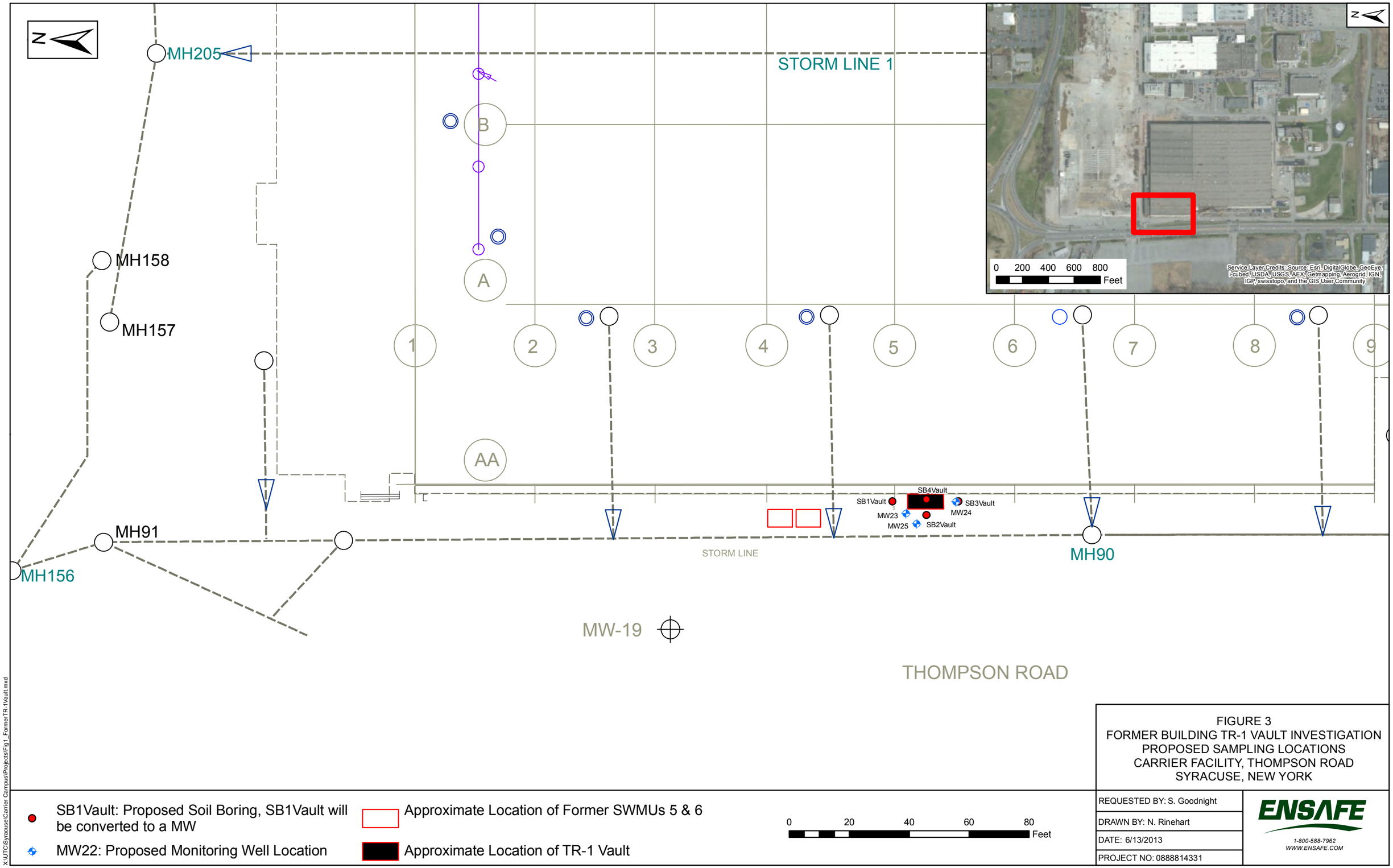
Soil

EnSafe, along with personnel from Parratt-Wolff, Inc. (Syracuse, New York), conducted subsurface investigation activities, in general accordance with the August 2013 *Former Building TR1 Vault Investigation Work Plan, Revision 1,* submitted to NYSDEC. Figure 3 depicts the vault and proposed sampling locations from the August 2013 work plan. Fieldwork activities deviated from the work plan as follows:

- Proposed soil borings SB3Vault and TR1VMW24 were co-located; therefore, a single soil boring was advanced at this location.

- Concrete refusal, likely associated with the footer of the former Building TR-1 west exterior wall, was encountered at a depth of approximately 6 to 7 feet bgs at several offset locations while attempting to advance soil boring TR1VSB01; therefore, no soil sample was collected and no monitoring well was installed at this location.

- Proposed monitoring well MW25 was combined, and eliminated, with monitoring well TR1VMW23 as a result of concrete refusal during several attempts to advance soil boring TR1VSB01.



SB1Vault: Proposed Soil Boring, SB1Vault will be converted to a MW

MW22: Proposed Monitoring Well Location

Approximate Location of Former SWMUs 5 & 6

Approximate Location of TR-1 Vault

0 20 40 60 80 Feet

FIGURE 3
FORMER BUILDING TR-1 VAULT INVESTIGATION
PROPOSED SAMPLING LOCATIONS
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY: S. Goodnight	
DRAWN BY: N. Rinehart	
DATE: 6/13/2013	
PROJECT NO: 0888814331	

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Five soil borings were advanced and two monitoring wells were installed in the former Building TR-1 vault area October 16 and 17, 2013. Soil borings listed in Table 1 were advanced into the upper portion of the saturation zone using a track-mounted, direct push technology (DPT) drill rig — specifically a Geoprobe® Model 7800 using DT-22 down hole tools. Soil borings were advanced using 2-inch diameter macro-core samplers measuring 4-foot in length. The investigation area including the vault, soil boring and monitoring well locations are depicted on Figure 4.

Table 1
Sampling Locations

Boring Identification	Total Depth (feet bgs)	Soil Sample Interval (feet bgs)	Monitoring Well Installed
TR1VSB01	7	Not Sampled	Not Applicable
TR1VSB02	12	6 to 7	Not Applicable
TR1VSB04	19	14 to 16	Not Applicable
TR1VMW23	18	10 to 12	MW23*
TR1VMW24	16.8	10 to 12	MW24*

*Two-inch diameter monitoring well.

Legend

Site Features

- Former Site Building Footprint

Former Building TR-1

Features

- Former TR-1 Column System
- Super-Slab Storm Lines
- Former Building TR-1 Vault Extent

Investigation Areas

2013 Former TR-1 Investigation Areas

- Floor Drain Area
- Degreaser C/D Area

Monitoring Well Network

WellType

- Monitoring Well (2" Diameter)
- Piezometer (1" Diameter)
- Recovery Well (4" Diameter)
- Deep Well (2" Diameter)
- Soil Borings
- MW31 NAPL Observed At Location

Aerial Photographic Source:
NYS GIS Clearinghouse
April 2012

0 10 20 30 40 50 Feet

FIGURE 4
FORMER BUILDING TR-1 VAULT 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

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Soil samples were collected continuously in each soil boring as practicable, and logged by a field geologist. As each soil core was recovered from the DPT sleeve, 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 TestAmerica Laboratories, Inc. (TestAmerica) service center in Syracuse, New York. Samples were then transported via overnight courier under chain-of-custody for analysis at TestAmerica'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, 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.

Groundwater

Monitoring wells were installed using a Geoprobe® DT-325 (a 3.25 inside diameter dual-wall tube) down hole tooling system. An expendable point was installed on the drilling string lead, and the dual-wall tube tooling was advanced to the target depth. Polyvinyl chloride (PVC) monitoring well pipe (2-inch diameter) was inserted into the annulus of the drill string, including a 10-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 monitoring well screen; then a 2-foot layer of hydrated bentonite chips was installed to form a seal above the filter sand pack. Each monitoring well was completed with a flush-grade wellhead comprised of a circular 2-foot diameter concrete well pad and an 8-inch steel, load-bearing access cover.

Monitoring wells were installed in soil borings TR1VMW23 (MW23) and TR1VMW24 (MW24). Lithologic data, well construction and finishing details are depicted on boring logs provided in Appendix A.

EnSafe developed monitoring wells MW23 and MW24 on October 18, 2013, using an electrical submersible pump connected to 0.5-inch polypropylene tubing. Well development continued until turbidity of the water evacuated from the well was visually clear; approximately three to five well volumes were evacuated from each monitoring well. 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 on October 23, 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. 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 parameters 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 TestAmerica service center under chain-of-custody procedures. Samples were then transported via overnight courier under chain-of-custody procedures for analysis at TestAmerica's laboratory in North Canton, Ohio.

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), the uppermost 12 feet bgs around the former Building TR-1 vault is generally comprised of brown and dark gray silty clays and silt, while soil from approximately 12 to 19 feet bgs is comprised of with light brown to reddish brown silty sand. The concrete vault bottom was encountered from 6 to 7 feet bgs in soil boring TR1VSB04, and additional concrete, likely associated with the west exterior wall footing of former Building TR-1, was encountered at a similar depth in soil boring TR1VSB01. Headspace field screening results during soil sampling activities ranged from 0 to 20.2 parts per million (ppm). The highest readings of 20.2 ppm and 11.7 ppm were observed in soil borings TR1VMW24 (4 to 5 feet bgs) and TR1VSB04 (9 to 10 feet bgs) respectively. The remaining field screening measurements were considerably lower. No odors were noted in either of these borings. Hydrocarbon odors were noted in soil borings TR1VSB02 and TR1VMW23 at approximately 8 feet bgs. Black staining was observed from approximately 7 to 12 feet bgs in soil boring TR1VMW23. No free-phase product, or nonaqueous phase liquid (NAPL), was encountered during former Building TR-1 vault investigation activities.

Soil boring and monitoring well logs indicate depth to shallow groundwater ranged from 12 to 15 feet bgs at the time of advancement. Depth to groundwater measurements collected at monitoring wells MW23 and MW24 during several gauging events from November through December 2013 (Appendix B) ranged from 8.17 to 9.70 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 vault investigation activities and subsequent Site-wide gauging events, the historically observed trend of groundwater flowing to the west/northwest was repeated during this event. Potentiometric surface data and groundwater flow trends from three of the site-wide gauging events conducted in late 2013 are depicted on Figures 5 through 7.

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 5
POTENTIOMETRIC SURFACE MAP
SHALLOW GROUNDWATER AQUIFER
NOVEMBER 25-26, 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
32.57

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

MW33
35.75

DCDPZ02
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

MW28
37.63

MW25
37.09

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

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 6
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	1-800-588-7962 WWW.ENSAFE.COM MEMPHIS, TENNESSEE
PROJECT NO: 0888814331	

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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
DCDPZ02
35.91
MW33
NM
DCDPZ01
39.01 (NC)
MW34
36.15
MW30
36.14
MW32
36.96
DCDPZ03
36.11
MW26
37.40
SSIPZ04
36.80
SSIPZ03
37.86
MW25
37.42
MW28
37.96
MW29
37.07
SSIPZ01
37.12
MW27
NM
SSIPZ02
37.81
SSIPZ05
NM
MW03S
36.60
MW03D
NC
MW13D2
NC
MW22D
NC
MW08
NM

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 23-24, 2013
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY: S. Goodnight	
DRAWN BY: N. Rinehart	
DATE: 2/6/2014	
PROJECT NO: 0888814331	

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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 included 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 2. Table 3 lists analytes for which reported concentrations exceeded their respective screening limits.

Table 2
Laboratory Analytical Detections in Shallow Soil Samples
Former Building TR-1 Vault Investigation
Carrier Facility, Thompson Road
Syracuse, New York

							Former Building TR-1 Vault			
						Sample Location:	MW23	MW24	TR1VSB02	TRV1SB04
						Sample ID:	TRIVMW23S10	TRIVMW24S10	TRIVSB02S6	TRIVSB04S14
						Sample Date:	10/16/2013	10/16/2013	10/16/2013	10/17/2013
						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	170 J	24 J	56 J	1.8 J
1,1-Dichloroethane	270	240,000	480,000	270		ug/kg	120 J	32 J	ND	6.4
1,1-Dichloroethene	330	500,000	1,000,000	330		ug/kg	ND	ND	ND	2.4 J
2-Butanone (MEK)	120	500,000	1,000,000	120	100,000	ug/kg	100 J	ND	ND	ND
cis-1,2-Dichloroethene	250	500,000	1,000,000	250		ug/kg	ND	**530 ad**	18 J	97
Ethylbenzene	1,000	390,000	780,000	1,000		ug/kg	47 J	ND	130 J	ND
Isopropylbenzene						ug/kg	10 J	ND	15 J	ND
Methylene chloride	50	500,000	1,000,000	50	12,000	ug/kg	ND	ND	ND	6.8 B
Tetrachloroethene	1,300	150,000	300,000	1,300	2,000	ug/kg	19 J	ND	14 J	ND
Toluene	700	500,000	1,000,000	700	36,000	ug/kg	200 J	ND	28 J	ND
trans-1,2-Dichloroethene	190	500,000	1,000,000	190		ug/kg	25 J	19 J	29 J	1.3 J
Trichloroethene	470	200,000	400,000	470	2,000	ug/kg	ND	140 J	110 J	51
Vinyl chloride	20	13,000	27,000	20		ug/kg	**74 J ad**	16 J	ND	2.8 J
Xylene (Total)	260	500,000	1,000,000	1,600	260	ug/kg	170 JB	25 JB	160 JB	ND
Semi-volatile Organic Compounds										
2-Methylnaphthalene						ug/kg	50	8.1	50	ND
Acenaphthylene	100,000	500,000	1,000,000	107,000		ug/kg	ND	ND	9.4	ND
Benzo(a)pyrene	1,000	1,000	1,100	22,000	2,600	ug/kg	ND	ND	20	ND
Benzo(b)fluoranthene	1,000	5,600	11,000	1,700		ug/kg	ND	ND	36	ND
bis(2-Ethylhexyl)phthalate						ug/kg	ND	130	200	32 J
Di-n-butylphthalate						ug/kg	94 B	69 J	46 JB	ND
Fluoranthene	100,000	500,000	1,000,000	1,000,000		ug/kg	27	ND	38	ND
Fluorene	30,000	500,000	1,000,000	386,000	30,000	ug/kg	17	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	5,600	11,000	8,200		ug/kg	ND	ND	13	ND
Naphthalene	12,000	500,000	1,000,000	12,000		ug/kg	62	28	68	ND
Phenanthrene	100,000	500,000	1,000,000	1,000,000		ug/kg	45	ND	41	ND
Pyrene	100,000	500,000	1,000,000	1,000,000		ug/kg	22	ND	48	ND
Pesticides										
4,4'-DDE	3.3	62,000	120,000	17,000	3.3	ug/kg	ND	ND	1.2 JH	ND
beta-BHC	36	3,000	14,000	90	600	ug/kg	ND	ND	4.5 H	ND
Endosulfan sulfate	2,400	200,000	920,000	1,000,000		ug/kg	ND	ND	2.9 H	ND
Polychlorinated Bi-phenyls										
Aroclor 1254	100	1,000	25,000	3,200	1,000	ug/kg	47	ND	83	ND
RCRA Metals										
Arsenic	13,000	16,000	16,000	16,000	13,000	ug/kg	6,400	3,000	5,500	2,700
Barium	350,000	400,000	10,000,000	820,000	433,000	ug/kg	27,000 B	43,000 B	87,000 B	42,000 B
Cadmium	2,500	9,300	60,000	7,500	4,000	ug/kg	ND	67 J	ND	52 J
Chromium	30,000	1,500,000	6,800,000		41,000	ug/kg	5,200	6,800	17,000	6,000
Lead	63,000	1,000,000	3,900,000	450,000	63,000	ug/kg	3,000	3,100	9,600	3,000
Mercury	180	2,800	5,700	730	180	ug/kg	ND	ND	23 J	ND

ND = Non-detect.

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
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							
cis-1,2-Dichloroethene	TR1VMW23	530	Yes	No	No	Yes	No Standard
Vinyl chloride	TR1VMW24	74 J	Yes	No	No	Yes	
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.
RCRA = Resource Conservation and Recovery Act.

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 6 NYCRR SCO screening limits.

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 2.

5.2 Groundwater Analytical Results

Groundwater laboratory analytical results were compared to December 2006 NYSDEC Division of Environmental Remediation 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 4. 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 5 lists analytes for which reported concentrations exceeded their respective screening limits.

Table 4
Laboratory Analytical Detections in Groundwater Samples
Former Building TR-1 Vault Investigation
Carrier Facility, Thompson Road
Syracuse, New York

		Sample Location:	MW23	MW24
		Sample ID:	TR1VMW23G20131023	TR1VMW24G20131023
		Sample Date:	10/23/2013	10/23/2013
		Sample Type:	Normal	Normal
		Matrix:	Groundwater	Groundwater
Analyte	**Groundwater Quality Standard (a)**	**Units**		
Volatile Organic Compounds (8260)				
1,1,1-Trichloroethane	5	ug/l	**110** Ja	ND
1,1-Dichloroethane	5	ug/l	**280** a	**130** a
1,1-Dichloroethene	5	ug/l	**66** Ja	**45** Ja
cis-1,2-Dichloroethene	5	ug/l	**9,600** a	**4,600** a
Toluene	5	ug/l	**95** Ja	ND
Trichloroethene	5	ug/l	**600** a	**81** Ja
Vinyl chloride	2	ug/l	**650** a	ND
Semi-Volatile Organic Compounds (8270)				
2-Methylnaphthalene		ug/l	2.4	ND
2-Methylphenol (o-Cresol)		ug/l	1.7	ND
bis(2-Ethylhexyl)phthalate	5	ug/l	0.42 JB	0.38 JB
Di-n-butylphthalate	50	ug/l	1 J	0.74 J
Naphthalene	10	ug/l	**15** a	ND
Pesticides (8081)				
delta-BHC	0.04	ug/l	0.021 J	ND
Metals (6010/7471)				
Arsenic	25	ug/l	16	ND
Barium	1000	ug/l	200 B	44 JB

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.

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

ND = Non-detect.

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Table 5
Groundwater Detections Exceeding
6 NYCRR Part 703 Surface Water and Groundwater Quality Standards Limitations and Groundwater Effluent

Analyte	Sample Location	Concentration (µg/L)	Exceeds Groundwater Screening Limit
Volatile Organic Compounds			
1,1,1-trichloroethane	TR1VMW23	110J	Yes
1,1-dichloroethane	TR1VMW23	280	Yes
	TR1VMW24	130	Yes
1,1-dichloroethene	TR1VMW23	66J	Yes
	TR1VMW24	45J	Yes
cis-1,2-DCE	TR1VMW23	9,600	Yes
	TR1VMW24	4,600	Yes
Toluene	TR1VMW23	95J	Yes
Trichloroethene	TR1VMW23	600	Yes
	TR1VMW24	81J	Yes
vinyl chloride	TR1VMW23	650	Yes
Semi-volatile Organic Compounds			
naphthalene	TR1VMW23	15	Yes
Pesticides			
None			
Polychlorinated Bi-phenyls			
None			
RCRA Metals			
None			

Notes:
µg/L = microgram per liter.
J = concentration exceeds method detection limit but less than method reporting limit; estimated value.
RCRA = Resource Conservation and Recovery Act.

No other reported concentrations exceeded their respective NYCRR Part 703 Groundwater Quality Standards screening limits. 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 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.

J-flag, as well as 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 Tables 4.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Findings of former Building TR-1 vault soil and groundwater sampling activities identified impacts to shallow subsurface soils and groundwater; however, no NAPL was encountered. Only two soil VOC analytes yielded concentrations which exceeded their respective December 2006 NYSDEC-DER 6 NYCRR SCO Unrestricted Use screening limits. All remaining reported soil concentrations were less than Unrestricted Use as well as Restricted Use Commercial and Industrial Use screening limits.

Several groundwater VOCs were reported at concentrations two orders of magnitude greater than their respective NYCRR Part 703 Groundwater Quality Standards screening limit, and one VOC, cis-1,2-DCE, was reported at three orders of magnitude greater than its screening limit. Naphthalene was the only non-VOC analyte which yielded a concentration greater than a screening limit. Overall, groundwater VOC concentrations are less than those observed in the area of the former Building TR-1 Floor Drain area – a separate investigation at the Site also conducted in October 2013.

Former Building TR-1 vault investigation activities summarized herein have not fully delineated horizontal or vertical impacts in the area of the vault. Data acquired during the October 2013 subsurface investigation, in conjunction with the following findings from previous monitoring and investigations at the site, provide a more complete picture of potential impacts in the area of the vault:

- Shallow groundwater aquifer monitoring well MW19, located approximately 50 feet down gradient (north/northwest) of the former Building TR-1 vault, has been sampled a total of 13 times since 2002 and it has not yielded a VOC concentration in excess of the NYCRR Part 703 Groundwater Quality Standards screening limits.

- Previous investigations at the Site have identified limited communication between the shallow and deep groundwater aquifers. An aquitard zone consisting of dense clayey silt and silt has been 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, historically, VOC concentrations at these two locations, which are in a source area associated with solid waste management units 1 through 4, have been orders of magnitude less than their shallow groundwater aquifer counterpart – monitoring well MW3S.

In order to determine the potential for off-site migration of impacted shallow groundwater in the area of the former Building TR-1 vault, an additional monitoring well is recommended. The well should be advanced approximately 40 feet west of the vault – west of the access road which runs parallel to Thompson Road. In addition to the proposed well, monitoring well MW19 is sampled annually under the CO agreement, and it is optimally located to evaluate potential future, down gradient migration of contaminants within the shallow groundwater aquifer identified in the former Building TR-1 vault investigation area. It is also recommended, monitoring wells MW23 and MW24 should be sampled one additional time as part of the next annual Site-wide groundwater monitoring event conducted under the facility's Consent Order agreement (CO #7-20051118-4). The next annual groundwater monitoring event is tentatively scheduled for June 2014.

7.0 LIMITATIONS

The information presented in this report was obtained through performance of a Scope of Work outlined in the *Former Building TR1 Vault Investigation Work Plan, Revision 1* (EnSafe, August 20, 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 project 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: MW23

Project: TR-1 Vault Investigation

Client:	Carrier Corporation	**Start Date:**	10/16/13	**Northing:**	631878.4042
Location:	Carrier Syracuse	**End Date:**	10/16/13	**Easting:**	1124027.034
Project #:	0888814331	**Drilling Method:**	DPT	**TOC Elevation:**	42.13
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	42.48
Well Owner:	Carrier Corporation	**Geologist:**	Adam Wanta	**Total Depth FT:**	18

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Well Construction
0	40		blank			0-4 ft. No recovery.	Manway Well Cap 2' Diameter Well Pad Bentonite Seal
-5	35		Gravel GM		1	4-8 ft. Gravel (DGA) fill and dark brown Silt: Gravel, medium (>1<2-inch), sub-angular; Silt, non-fissile, firm; slighty moist. 7-8 ft. Gravel (DGA) fill with some Silt: black, Gravel, medium (>1<2-inch), sub-angular; Silt, non-fissile, firm; hydrocarbon odor. 8-13 ft. Gravel and Sand: Gravel, medium (>1<2-inch), sub-angular; Sand, black, medium-grained; moist, septic odor, no staining. 12-13 ft. wet.	Filter Sand 2" PVC Screen - 0.010 Slot
-10	30		SM			13-16 ft. Silty Sand: Sand, fine-grained, dense, moderately cemented; Silt, light brown to brown, very firm; wet.	
-15	25					Sampling terminated at 16 ft.	

NOTES: Boring terminated at 18 feet below ground surface. Boring converted to monitoring well MW23.

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

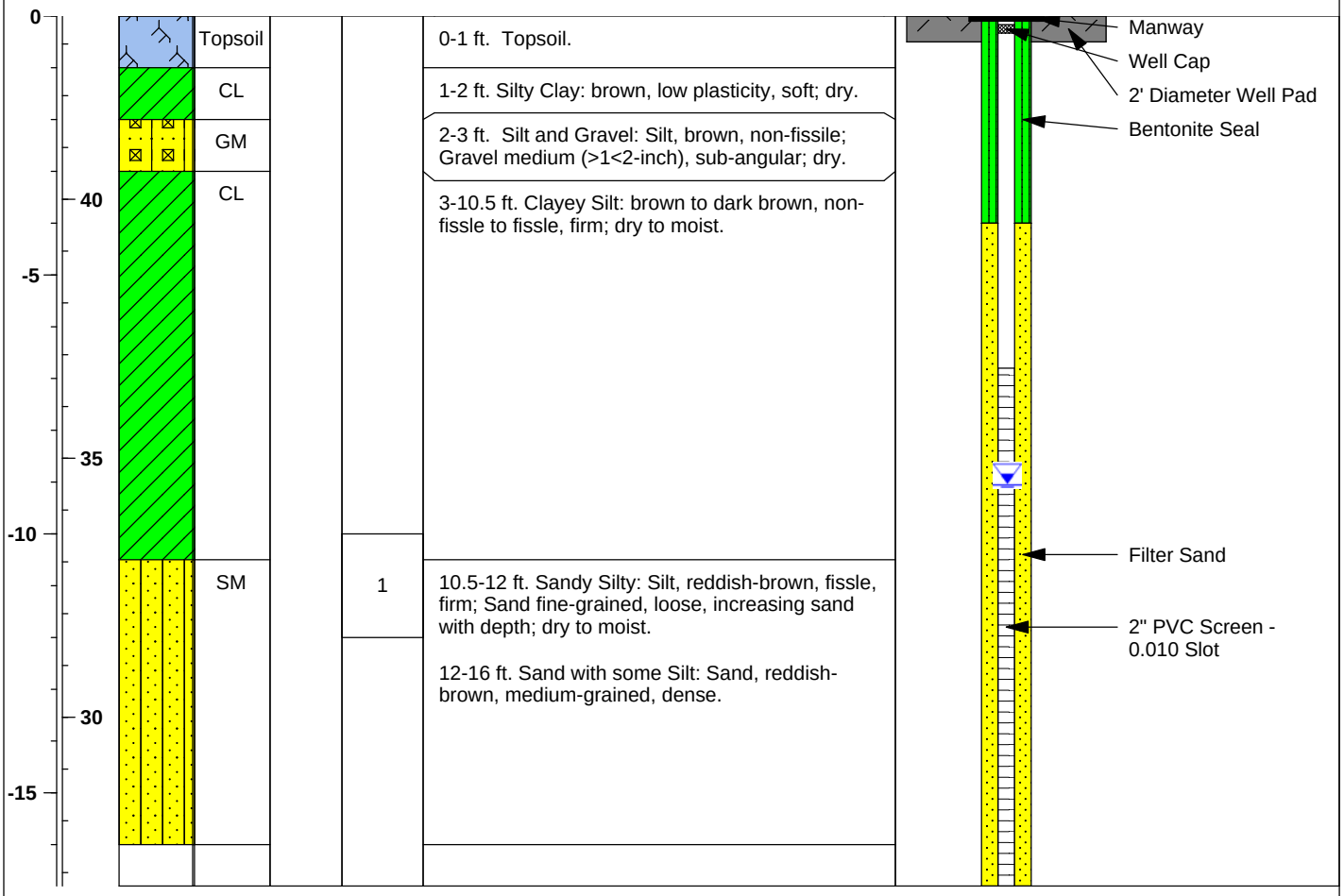
1 = TR1VMW23S10 collected on October 16, 2013.

ENSAFE
5724 Summer Trees Drive
Memphis TN 38134

Monitoring Well: MW24

Project: TR-1 Vault Investigation

Client:	Carrier Corporation	**Start Date:**	10/16/13	**Northing:**	631885.1674
Location:	Carrier Syracuse	**End Date:**	10/16/13	**Easting:**	1123997.118
Project #:	0888814331	**Drilling Method:**	DPT	**TOC Elevation:**	43.17
Purpose:	Investigation	**Drilling Contractor:**	Parratt Wolff	**Surface Elevation FT:**	43.54
Well Owner:	Carrier Corporation	**Geologist:**	Adam Wanta	**Total Depth FT:**	16.8



NOTES: Boring terminated at 16.8 feet below ground surface. Boring converted to monitoring well MW24.

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

1 = TR1VMW24S10 collected on October 16, 2013.

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5724 Summer Trees Drive
Memphis TN 38134

Soil Boring: TRV1SB02

Project: TR-1 Vault Investigation

Client:	Carrier Corporation	**Start Date:**	10/16/2013	**Latitude:**	Not Surveyed
Location:	Carrier Syracuse	**End Date:**	10/16/2013	**Longitude:**	Not Surveyed
Project #:	0888814331	**Drilling Method:**	DPT	**Surface Elevation:**	Not Surveyed
Purpose:	Investigation	**Drilling Contractor:**	Parratt-Wolff	**Total Depth:**	12 ft bgs
Well Owner:	Carrier Corporation	**Geologist:**	C. Ellis		

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Boring Diagram
0	0	Asphalt	SM			0 - 0.5 ft. Asphalt and DGA.	Asphalt
						0.5 - 2.5 ft. Silty Clay with Gravel and Sand: Clay, low plasticity, stiff; Gravel, medium (>1<2-inch), Sand, medium-grained, dense; dry.	
			CL			2.5 - 8 ft. Silty Clay, decreasing Silt with depth, medium brown, stiff.	
-5	-5				1		Bentonite Plug
-10	-10					8 - 12 ft. No recovery.	

NOTES: Boring terminated at 12 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 = TR1VSB02S6 collected on October 16, 2013.

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5724 Summer Trees Drive
Memphis TN 38134

Soil Boring: TRV1SB04

Project: TR-1 Vault Investigation

Client: Carrier Corporation
Location: Carrier Syracuse
Project #: 0888814331
Purpose: Investigation
Well Owner: Carrier Corporation

Start Date: 10/17/2013
End Date: 10/17/2013
Drilling Method: DPT
Drilling Contractor: Parratt-Wolff
Geologist: C. Ellis

Latitude: Not Surveyed
Longitude: Not Surveyed
Surface Elevation: Not Surveyed
Total Depth: 19 ft bgs

DEPTH BGS	ELEVATION	SYMBOLS	USCS	PID - PPM	Sample ID	Lithologic Description (Visual-Manual Description, ASTM D 2488-06)	Boring Diagram
0	0	Topsoil	GP			0 - 0.5 ft. Topsoil 0.5 - 6 ft. Clayey Silt (fill) with some Gravel: Clayey Silt, medium brownish-gray, stiff; Gravel medium (>1<2-inch); moist. 4-6 ft. Clay, soft, increased moisture.	Topsoil
-5	-5	Concrete				6 - 7.1 ft. Concrete, base of vault.	
			ML			7.1 - 15 ft. Clayey Silt: Silt, light reddish-brown, non-fissle, stiff, dry.	Bentonite Plug
-10	-10						
-15	-15		SM		1	15 - 19 ft. Silty Sand: Sand, medium reddish-brown, fine-grained, well sorted, loose; wet.	

NOTES: Boring terminated at 19 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 = TR1VSB04S14 collected on October 17, 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
Existing Monitoring Well Network (prior to October 2013)							**Week of 11/1/2013**				**11/9-11/2013**			
MW03S	See Site Map	14.32	14.32	2	3 - 13	43.13	---	---	---	---	---	---	---	---
MW05R	See Site Map	14.60	14.60	2	4.25 - 14.25	35.4	---	---	---	---	---	---	---	---
MW06	See Site Map	16.88	16.88	2	5 - 15	44.8	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---
MW10	See Site Map	17.54	17.54	2	7.25-17.25	41.38	---	---	---	---	---	---	---	---
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
MW17	See Site Map	14.99	14.99	2	10 - 15	35.61	---	---	---	---	---	---	---	---
MW18	See Site Map	14.50	14.50	2	9.5 - 14.5	36.3	---	---	---	---	---	---	---	---
MW19	See Site Map	18.13	18.13	2	8 - 18	43.31	---	---	---	---	NA	8.61	NA	34.7
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	---	---	---	---	---	---	---	---
MW03D	See Site Map	29.62	29.62	2	22 - 27	44.23	---	---	---	---	---	---	---	---
MW13D2	See Site Map	55.11	55.11	2	45.09 - 55.09	41.3	---	---	---	---	---	---	---	---
MW14D	See Site Map	57.00	57.00	2	37 - 47	42.27	---	---	---	---	NA	3.46	NA	38.81
MW16D	See Site Map	45.10	45.10	2	35 - 45	44.72	---	---	---	---	---	---	---	---
MW22D	See Site Map	54.60	54.60	2	44.5 - 55.5	45.14	---	---	---	---	---	---	---	---
PZWE13	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---
PZWE14	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---
PZWE15	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---
PZWE16	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---
PZSO05	See Site Map	10	10	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-01	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-02	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-03	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-04	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-05	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-06	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	NA	5.25	NA	Not Surveyed
B001-07	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-08	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-09	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-10	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-11	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-12	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-13	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-14	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-15	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
B001-16	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	---	---	---	---	---	---	---	---
Wells installed during October 2013 Investigations							**Week of 11/1/2013**				**11/9-11/2013**			
MW23	TR-1 Vault	12	18	2	10	42.13	NA	9.7	NA	32.43	NA	8.62	NA	33.51
MW24	TR-1 Vault	16	16.8	2	10	43.17	NA	8.87	NA	34.30	NA	8.61	NA	34.56
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
MW26	TR-1 SSI	16	21	2	15	45.24	NA	8.58	NA	36.66	NA	8.16	NA	37.08
MW27	TR-1 SSI	16	21	2	15	44.78	NA	7.96	NA	36.82	NA	7.45	NA	37.33
MW28	TR-1 SSI	16	21	2	15	44.74	NA	7.35	NA	37.39	NA	7.31	NA	37.43
MW29	TR-1 SSI	16	21	4	15	44.78	NA	8.28	NA	36.5	NA	8.02	NA	36.76
MW30	TR-1 Degreaser	16	21	4	15	45.67	NA	9.9	NA	35.77	NA	9.78	NA	35.89
MW31	TR-1 Degreaser	16	21	2	15	45.05	NA	10.15	NA	34.9	NA	9.91	NA	35.14
MW32	TR-1 Degreaser	16	21	2	15	45.26	NA	9.09	NA	36.17	NA	8.76	NA	36.5
MW33	TR-1 Degreaser	16	21	2	15	45.30	NA	10.48	NA	34.82	NA	10.17	NA	35.13
MW34	TR-1 Degreaser	16	21	2	15	45.32	NA	9.78	NA	35.54	NA	9.68	NA	35.64
MW35D	TR-1 Degreaser	59	54	2	15	45.92	NA	13.5	NA	32.42	NA	10.71	NA	35.21
MW36	TR-1 Floor Drain	16	21	4	15	46.25	NA	11.08	NA	35.17	NA	11.79	NA	34.46
MW37	TR-1 Floor Drain	16	21	2	15	45.33	NA	11.2	NA	34.13	NA	10.97	NA	34.36
MW38	TR-1 Floor Drain	15	15	2	10	43.04	NA	9.39	NA	33.65	NA	9.11	NA	33.93
MW39	TR-1 Floor Drain	16	21	2	15	45.46	NA	11.14	NA	34.32	NA	10.87	NA	34.59
MW40D	TR-1 Floor Drain	44	44	2	15	42.95	NA	8.52	NA	34.43	NA	8.1	NA	34.85
MW41D	PLR	53	53	2	15	42.82	---	---	---	---	NA	2.59	NA	40.23
MW42	PLR	20	18.5	2	15	35.16	---	---	---	---	NA	5.98	NA	29.18
MW43	PLR	20	20	2	15	43.70	---	---	---	---	NA	12	NA	31.7
MW44	PLR	12	20	2	15	43.04	NA	5.81	NA	37.23	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
MW46	PLR	12	20	2	15	42.72	NA	7.32	NA	35.4	NA	7.45	NA	35.27
MW47	PLR	17	20	2	15	43.60	---	---	---	---	NA	10.69	NA	32.91
MW48	PLR	20	20	2	15	43.92	---	---	---	---	NA	11.45	NA	32.47
MW49	PLR	20	19	2	9	46.25	---	---	---	---	NA	10.41	NA	35.84
MW50	PLR	20	20	2	15	43.86	---	---	---	---	NA	11.27	NA	32.59
FDPZ01	TR-1 Floor Drain	16	21	1	15	45.82	NA	11.76	NA	34.06	NA	11.37	NA	34.45
FDPZ02	TR-1 Floor Drain	16	21	1	15	47.04	NA	13.5	NA	33.54	NA	14.34	NA	32.7
FDPZ03	TR-1 Floor Drain	16	16	1	10	45.37	NA	11.31	NA	34.06	NA	10.73	NA	34.64
FDPZ04	TR-1 Floor Drain	16	16	1	10	45.99	NA	11.88	NA	34.11	NA	11.5	NA	34.49
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
DCDPZ02	TR-1 Degreaser	16	21	1	15	45.59	NA	10.69	NA	34.9	NA	10.23	NA	35.36
DCDPZ03	TR-1 Degreaser	16	14	1	8	45.82	NA	10.31	NA	35.51	NA	10.04	NA	35.78
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
SSIPZ01	TR-1 SSI	16	18	1	10	45.04	NA	8.63	NA	36.41	NA	8.08	NA	36.96
SSIPZ02	TR-1 SSI	16	16	1	10	45.00	8.04	8.12	0.08	36.94	NA	7.4	NA	37.6
SSIPZ03	TR-1 SSI	16	16	1	10	45.42	NA	8.71	NA	36.71	NA	8.56	NA	36.86
SSIPZ04	TR-1 SSI	16	16	1	10	45.07	NA	8.37	NA	36.7	7.79	10.39	2.6	36.58
SSIPZ05	TR-1 SSI	21	21	1	15	44.57	NA	5.32	NA	39.25	NA	4.6	NA	39.97
PLRPZ001	PLR	12	20	1	15	Not Surveyed	---	---	---	---	NA	5.23	NA	Not Surveyed
PLRPZ002	PLR	12	20	1	15	Not Surveyed	---	---	---	---	NA	7.05	NA	Not Surveyed

Well ID	[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
	11/25-26/2013				**12/5/2013 (FP Sampling)**				**12/9-10/13**				**12/23-24/2013**			
MW03S	NA	6.52	NA	36.61		---			NA	6.31	NA	36.82	NA	6.53	NA	36.6
MW05R	NA	3.04	NA	32.36		---			NA	2.83	NA	32.57	NA	2.56	NA	32.84
MW06	NA	11.04	NA	33.76	---	---	---	---	NA	10.82	NA	33.98	NA	10.71	NA	34.09
MW08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW09	NA	7.34	NA	37.45	---	---	---	---	NA	6.51	NA	38.28	NA	5.79	NA	39
MW10	NA	8.48	NA	32.9	---	---	---	---	NA	8.11	NA	33.27	NA	8.02	NA	33.36
MW11	---	---	---	---	---	---	---	---	---		---	---	---	---	---	---
MW14	NA	3.45	NA	38.74	---	---	---	---	NA	2.88	NA	39.31	NA	10.06	NA	32.13
MW17	NA	7.89	NA	27.72	---	---	---	---	NA	7.98	NA	27.63	NA	7.34	NA	28.27
MW18	NA	7.44	NA	28.86	---	---	---	---	NA	7.35	NA	28.95	NA	6.91	NA	29.39
MW19	NA	9.15	NA	34.16	---	---	---	---	NA	8.54	NA	34.77	NA	8.37	NA	34.94
MW20	---	---	---	---	---	---	---	---	---	---	---	---	---*	---*	---*	---*
MW21	NA	11.12	NA	29.99	---	---	---	---	NA	9.76	NA	31.35	NA	8.79	NA	32.32
MW03D	NA	8.19	NA	36.04	---	---	---	---	NA	7.68	NA	36.55	NA	7.82	NA	36.41
MW13D2	NA	5.94	NA	35.36	---	---	---	---	NA	5.47	NA	35.83	NA	5.42	NA	35.88
MW14D	NA	11.21	NA	31.06	---	---	---	---	NA	10.4	NA	31.87	NA	2.61	NA	39.66
MW16D	NA	5.49	NA	39.23	---	---	---	---	NA	5.25	NA	39.47	NA	4.49	NA	40.23
MW22D	NA	9.5	NA	35.64	---	---	---	---	NA	8.98	NA	36.16	NA	9.1	NA	36.04
PZWE13	NA	6.32	NA	Not Surveyed	---	---	---	---	NA	6.07	NA	Not Surveyed	---	---	---	---
PZWE14	NA	6.94	NA	Not Surveyed	---	---	---	---	NA	6.87	NA	Not Surveyed	---	---	---	---
PZWE15	NA	5.95	NA	Not Surveyed	---	---	---	---	NA	5.69	NA	Not Surveyed	---	---	---	---
PZWE16	NA	6.09	NA	Not Surveyed	---	---	---	---	NA	5.51	NA	Not Surveyed	---	---	---	---
PZSO05	---	---	---	---	---	---	---	---	NA	5.55	NA	Not Surveyed	---	---	---	---
B001-01	---	---	---	---	---	---	---	---	NA	11.24	NA	Not Surveyed	NA	8.28	NA	Not Surveyed
B001-02	---	---	---	---	---	---	---	---	NA	9.77	NA	Not Surveyed	NA	8.42	NA	Not Surveyed
B001-03	---	---	---	---	---	---	---	---	NA	6.66	NA	Not Surveyed	NA	6.37	NA	Not Surveyed
B001-04	---	---	---	---	---	---	---	---	NA	11.07	NA	Not Surveyed	NA	10.38	NA	Not Surveyed
B001-05	---	---	---	---	---	---	---	---	NA	11.77	NA	Not Surveyed	NA	11.85	NA	Not Surveyed
B001-06	NA	4.47	NA	Not Surveyed	---	---	---	---	NA	4.39	NA	Not Surveyed	4.64	4.65	0.01	Not Surveyed
B001-07	---	---	---	---	---	---	---	---	NA	5.51	NA	Not Surveyed	NA	5.45	NA	Not Surveyed
B001-08	---	---	---	---	---	---	---	---	NA	5.89	NA	Not Surveyed	NA	4.09	NA	Not Surveyed
B001-09	---	---	---	---	---	---	---	---	NA	7.98	NA	Not Surveyed	NA	7.2	NA	Not Surveyed
B001-10	---	---	---	---	---	---	---	---	NA	7.1	NA	Not Surveyed	NA	7.5	NA	Not Surveyed
B001-11	---	---	---	---	---	---	---	---	NA	7.86	NA	Not Surveyed	---*	---*	---*	---*
B001-12	---	---	---	---	---	---	---	---	NA	8.47	NA	Not Surveyed	---*	---*	---*	---*
B001-13	---	---	---	---	---	---	---	---	NA	10.4	NA	Not Surveyed	NA	10.28	NA	Not Surveyed
B001-14	---	---	---	---	---	---	---	---	NA	7.67	NA	Not Surveyed	---*	---*	---*	---*
B001-15	---	---	---	---	---	---	---	---	NA	10.34	NA	Not Surveyed	NA	10.25	NA	Not Surveyed
B001-16	---	---	---	---	---	---	---	---	NA	10.99	NA	Not Surveyed	---*	---*	---*	---*
	11/25-26/2013				**12/5/2013 (FP Sampling)**				**12/9-10/13**				**12/23-24/2013**			
MW23	NA	8.65	NA	33.48	---	---	---	---	NA	8.59	NA	33.54	NA	8.64	NA	33.49
MW24	NA	8.71	NA	34.46	---	---	---	---	NA	8.17	NA	35	NA	8.12	NA	35.05
MW25	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	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	NA	7.77	NA	37.01	NA	6.87	NA	37.91	NA	6.88	NA	37.9	---*	---*	---*	---*
MW28	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	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	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	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	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	NA	10.17	NA	35.13	NA	9.33	NA	35.97	NA	9.55	NA	35.75	---*	---*	---*	---*
MW34	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	NA	11	NA	34.92	NA	10.57	NA	35.35	NA	10.56	NA	35.36	NA	10.36	NA	35.56
MW36	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	NA	11.02	NA	34.31	NA	10.58	NA	34.75	NA	10.58	NA	34.75	---*	---*	---*	---*
MW38	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	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	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	NA	2.68	NA	40.14	---	---	---	---	NA	2.12	NA	40.7	NA	1.94	NA	40.88
MW42	NA	6.07	NA	29.09	---	---	---	---	NA	6.08	NA	29.08	NA	6.01	NA	29.15
MW43	NA	12.49	NA	31.21	---	---	---	---	NA	11.67	NA	32.03	NA	11.12	NA	32.58
MW44	NA	5.87	NA	37.17	---	---	---	---	NA	6	NA	37.04	NA	5.91	NA	37.13
MW45	NA	7.23	NA	35.49	---	---	---	---	NA	7.68	NA	35.04	NA	7.48	NA	35.24
MW46	NA	8	NA	34.72	---	---	---	---	NA	7.93	NA	34.79	NA	7.81	NA	34.91
MW47	NA	10.83	NA	32.77	---	---	---	---	NA	10.29	NA	33.31	NA	10.33	NA	33.27
MW48	NA	11.91	NA	32.01	---	---	---	---	NA	11.41	NA	32.51	NA	11.04	NA	32.88
MW49	NA	10.63	NA	35.62	---	---	---	---	NA	10.51	NA	35.74	NA	10.44	NA	35.81
MW50	NA	11.21	NA	32.65	---	---	---	---	NA	11.25	NA	32.61	NA	11.1	NA	32.76
FDPZ01	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	NA	13.31	NA	33.73	NA	13.02	NA	34.02	NA	12.98	NA	34.06	---*	---*	---*	---*
FDPZ03	NA	10.79	NA	34.58	NA	10.52	NA	34.85	NA	10.37	NA	35	NA	10.27	NA	35.1
FDPZ04	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	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	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	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	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	NA	8.38	NA	36.66	NA	7.93	NA	37.11	NA	8.04	NA	37	NA	7.92	NA	37.12
SSIPZ02	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	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	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	---	---	---	---	NA	5.44	NA	39.13	NA	5.31	NA	39.26	---*	---*	---*	---*
PLRPZ001	NA	6.92	NA	Not Surveyed	---	---	---	---	NA	6.52	NA	Not Surveyed	6.32	6.33	0.01	Not Surveyed
PLRPZ002	NA	8.32	NA	Not Surveyed	---	---	---	---	NA	8.07	NA	Not Surveyed	NA	8.46	NA	Not Surveyed

(yellow highlight) = 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

ENSAFE

Appendix C
Monitoring Well Purging Record Forms

MW23 SAMPLING 10/23/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/23/13	JOB NUMBER: 0888814331	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: Oct. 2013		
V. ID: MW-23 (VAULT)	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Cloudy	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.): 9.70	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 0820 / 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):	0842	0847	0852	0857	0902								
[illegible]lts):	7.26	7.38	7.45	7.52	7.49								
Conductivity (mS/cm):	0.867	0.850	0.827	0.820	0.818								
Turbidity (NTU):	57.5	27.5	11.5	13.6	15.2								
DO (mg/L):	2.18	0.86	0.60	0.00	0.00								
Temperature (C°):	13.97	14.12	14.10	13.80	13.86								
ORP (mV):	-83	-100	-111	-115	-118								
Volume Purged (gal):	0.55	0.70	0.80	0.90	1.00								
Depth to Water (ft):	11.39	11.65	11.79	11.95	12.12								
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
TR1Vmw23G20131023	10/23/2013	0907	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

[illegible]ENTS:

Purge water placed in drum#_____

MW24 SAMPLING 10/23/13

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/23/13	JOB NUMBER: 0888814331	PHASE: 02	TASK:
PROJECT: UTC CARRIER	EVENT: October 2013		
WELL ID: MW-24 (VAULT)	LOCATION: EAST SYRACUSE, NY.		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 43°F		
REVIEWED BY:	PERSONNEL: BRYAN BRISTER		

WELL DIA: 2"	WELL DEVELOPMENT
TOTAL DEPTH from TOC (ft.):	START: / FINISH: /
DEPTH TO WATER from TOC (ft.): 8.87	VOLUME PURGED (gal):
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING
1 VOLUME OF WATER (gal):	START: 0948 FINISH:
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):
	ANALYSIS: VOCs, PESTs, PCBs, METALS, BNAs

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):	0959	1004	1009	1014	1019	1024						
pH (units):	7.69	7.68	7.66	7.66	7.66	7.68						
Conductivity (mS/cm):	0.901	0.897	0.891	0.880	0.882	0.883						
Turbidity (NTU):	18.9	13.4	7.3	3.5	10.7	13.4						
DO (mg/L):	3.89	2.86	1.96	1.21	0.00	0.00						
Temperature (C°):	16.39	16.34	16.35	16.40	16.35	16.39						
ORP (mV):	-28	-37	-43	-47	-52	-54						
Volume Purged (gal):	0.70	0.85	1.00	1.15	1.30	1.45						
Depth to Water (ft):	11.69	12.24	12.92	13.45	14.03	14.54						

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
TR1VMW24G20131023	10/23/2013	1029	10	0	

Purging/Sampling Device Decon Process: Dedicated Tubing

COMMENTS:

Purge water placed in drum#_____

Appendix D
Laboratory Analytical Reports

ANALYTICAL REPORT

Job Number: 240-30346-1

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
11/25/2013 9:37 AM

Amy L McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/25/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Sub-Slab Investigation

Report Number: 240-30346-1

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 10/17/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.4 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TRIVMW23S10 (240-30346-1), TRIVSB02S6 (240-30346-2) and TRIVMW24S10 (240-30346-3) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 10/21/2013 and analyzed on 10/24/2013.

Samples TRIVMW23S10 (240-30346-1) and TRIVSB02S6 (240-30346-2) were diluted due to the abundance of non-target analytes. Elevated reporting limits (RLs) are provided.

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.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TRIVMW23S10 (240-30346-1), TRIVSB02S6 (240-30346-2) and TRIVMW24S10 (240-30346-3) were analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/18/2013 and 10/25/2013 and analyzed on 10/23/2013 and 10/29/2013.

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 TRIVMW23S10 (240-30346-1), TRIVSB02S6 (240-30346-2) and TRIVMW24S10 (240-30346-3) 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, 11/18/2013 and 11/21/2013.

Samples TRIVMW23S10 (240-30346-1)[5X] and TRIVMW23S10 (240-30346-1)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for TRIVMW23S10 (240-30346-1).

Sample TRIVSB02S6 (240-30346-2) was prepared outside of preparation holding time. The sample was prepared in hold time in batch 106122 but the laboratory control sample (LCS) did not meet criteria. The LCS associated with the re-extract batch passed QC criteria; both sets of data have been reported.

Decachlorobiphenyl failed the surrogate recovery criteria low for LCS 240-106122/15-A. Tetrachloro-m-xylene failed the surrogate recovery criteria high.

Several analytes failed the recovery criteria low for LCS 240-106122/15-A.

The opening and closing continuing calibration verifications (CCVs) associated with batch 108338 recovered above the upper control limit. Sample TRIVMW24S10 (240-30346-3) 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 109089 recovered DDT and Methoxychlor above the upper control limits. Sample TRIVMW23S10 (240-30346-1) 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 109089 recovered DDT, Methoxychlor, delta-BHC, and Heptachlor above the upper control limits. Sample TRIVMW23S10 (240-30346-1) 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 108129 recovered DDD, DDT, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor, and Methoxychlor above the upper control limits. Samples TRIVMW24S10 (240-30346-3) and TRIVSB02S6 (240-30346-2) 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 DDT, Endosulfan Sulfate, Endrin, Heptachlor, and Methoxychlor above the upper control limits. Samples TRIVMW24S10 (240-30346-3) and TRIVSB02S6 (240-30346-2) 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 TRIVMW24S10 (240-30346-3) and TRIVSB02S6 (240-30346-2) 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 110320 recovered above the upper control limits. Sample TRIVSB02S6 (240-30346-2) associated with this CCV was 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 TRIVSB02S6 (240-30346-2) associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported.

The opening Toxaphene continuing calibration verification (CCV) for analytical batch 110788 was not spiked. The closing CCV passed all criteria. A low level standard (MRL) was analyzed in the sequence and met quality criteria, indicating the laboratories ability to detect the analyte at the reporting limit. Samples were evaluated for the Toxaphene pattern and all were non-detect. The data have been qualified and reported.

The capping continuing calibration verification (CCV) for beta-BHC, delta-BHC, DDD, DDE, and Methoxychlor associated with batch 110788 recovered above the upper control limit. Sample TRIVMW23S10 (240-30346-1) associated with this CCV was 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 TRIVMW23S10 (240-30346-1), TRIVSB02S6 (240-30346-2) and TRIVMW24S10 (240-30346-3) 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 TRIVMW23S10 (240-30346-1) and TRIVSB02S6 (240-30346-2) 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 METALS (ICP)

Samples TRIVMW23S10 (240-30346-1), TRIVSB02S6 (240-30346-2) and TRIVMW24S10 (240-30346-3) 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 TRIVMW23S10 (240-30346-1), TRIVSB02S6 (240-30346-2) and TRIVMW24S10 (240-30346-3) 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 TRIVMW23S10 (240-30346-1), TRIVSB02S6 (240-30346-2) and TRIVMW24S10 (240-30346-3) 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: 240-30346-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30346-1	**TRIVMW23S10**					
1,1,1-Trichloroethane		170	J	230	ug/Kg	8260C
1,1-Dichloroethane		120	J	230	ug/Kg	8260C
2-Butanone (MEK)		100	J	910	ug/Kg	8260C
Ethylbenzene		47	J	230	ug/Kg	8260C
Isopropylbenzene		10	J	230	ug/Kg	8260C
Tetrachloroethene		19	J	230	ug/Kg	8260C
Toluene		200	J	230	ug/Kg	8260C
trans-1,2-Dichloroethene		25	J	230	ug/Kg	8260C
Vinyl chloride		74	J	230	ug/Kg	8260C
Xylenes, Total		170	J B	450	ug/Kg	8260C
Di-n-butyl phthalate		94	B	78	ug/Kg	8270D
Fluoranthene		27		7.5	ug/Kg	8270D
Fluorene		17		7.5	ug/Kg	8270D
2-Methylnaphthalene		50		7.5	ug/Kg	8270D
Naphthalene		62		7.5	ug/Kg	8270D
Phenanthrene		45		7.5	ug/Kg	8270D
Pyrene		22		7.5	ug/Kg	8270D
Aroclor-1254		47		38	ug/Kg	8082A
Arsenic		6.4		1.2	mg/Kg	6010C
Barium		27	B	17	mg/Kg	6010C
Chromium		5.2		0.83	mg/Kg	6010C
Lead		3.0		0.83	mg/Kg	6010C
Percent Solids		89		0.10	%	Moisture
Percent Moisture		11		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30346-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30346-2	**TRIVSB02S6**					
1,1,1-Trichloroethane		56	J	250	ug/Kg	8260C
cis-1,2-Dichloroethene		18	J	250	ug/Kg	8260C
Ethylbenzene		130	J	250	ug/Kg	8260C
Isopropylbenzene		15	J	250	ug/Kg	8260C
Tetrachloroethene		14	J	250	ug/Kg	8260C
Toluene		28	J	250	ug/Kg	8260C
trans-1,2-Dichloroethene		29	J	250	ug/Kg	8260C
Trichloroethene		110	J	250	ug/Kg	8260C
Xylenes, Total		160	J B	500	ug/Kg	8260C
Acenaphthylene		9.4		8.0	ug/Kg	8270D
Benzo[a]pyrene		20		8.0	ug/Kg	8270D
Benzo[b]fluoranthene		36		8.0	ug/Kg	8270D
Bis(2-ethylhexyl) phthalate		200		83	ug/Kg	8270D
Di-n-butyl phthalate		46	J B	83	ug/Kg	8270D
Fluoranthene		38		8.0	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		13		8.0	ug/Kg	8270D
2-Methylnaphthalene		50		8.0	ug/Kg	8270D
Naphthalene		68		8.0	ug/Kg	8270D
Phenanthrene		41		8.0	ug/Kg	8270D
Pyrene		48		8.0	ug/Kg	8270D
beta-BHC		4.5	H	2.1	ug/Kg	8081B
4,4'-DDE		1.2	J H	2.1	ug/Kg	8081B
Endosulfan sulfate		2.9	H	2.1	ug/Kg	8081B
Aroclor-1254		83		39	ug/Kg	8082A
Arsenic		5.5		1.6	mg/Kg	6010C
Barium		87	B	22	mg/Kg	6010C
Chromium		17		1.1	mg/Kg	6010C
Lead		9.6		1.1	mg/Kg	6010C
Mercury		0.023	J	0.11	mg/Kg	7471B
Percent Solids		83		0.10	%	Moisture
Percent Moisture		17		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-30346-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30346-3	**TRIVMW24S10**					
1,1,1-Trichloroethane		24	J	190	ug/Kg	8260C
1,1-Dichloroethane		32	J	190	ug/Kg	8260C
cis-1,2-Dichloroethene		530		190	ug/Kg	8260C
trans-1,2-Dichloroethene		19	J	190	ug/Kg	8260C
Trichloroethene		140	J	190	ug/Kg	8260C
Vinyl chloride		16	J	190	ug/Kg	8260C
Xylenes, Total		25	J B	380	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		130		76	ug/Kg	8270D
Di-n-butyl phthalate		69	J	76	ug/Kg	8270D
2-Methylnaphthalene		8.1		7.2	ug/Kg	8270D
Naphthalene		28		7.2	ug/Kg	8270D
Arsenic		3.0		1.5	mg/Kg	6010C
Barium		43	B	21	mg/Kg	6010C
Cadmium		0.067	J	0.51	mg/Kg	6010C
Chromium		6.8		1.0	mg/Kg	6010C
Lead		3.1		1.0	mg/Kg	6010C
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.0		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-30346-1

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: 240-30346-1

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1
SW846 8270D	Gruber, John	JMG
SW846 8081B	Shock, Ray	RES
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: 240-30346-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-30346-1	TRIVMW23S10	Solid	10/16/2013 1345	10/17/2013 0930
240-30346-2	TRIVSB02S6	Solid	10/16/2013 1521	10/17/2013 0930
240-30346-3	TRIVMW24S10	Solid	10/16/2013 1628	10/17/2013 0930

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	U1233267.D
Dilution:	1.0			Initial Weight/Volume:	6.193 g
Analysis Date:	10/24/2013 2143			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		170	J	19	230
1,1,2,2-Tetrachloroethane		ND		8.1	230
1,1,2-Trichloroethane		ND		11	230
1,1-Dichloroethane		120	J	15	230
1,1-Dichloroethene		ND		16	230
1,2,4-Trichlorobenzene		ND		6.6	230
1,2-Dibromo-3-Chloropropane		ND		45	450
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)		100	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		ND		6.3	230
cis-1,3-Dichloropropene		ND		7.2	230
Dichlorodifluoromethane		ND		15	230
Dichlorobromomethane		ND		9.0	230
Ethylbenzene		47	J	4.9	230
Isopropylbenzene		10	J	5.9	230
Methyl tert-butyl ether		ND		6.5	230
Methylene Chloride		ND		70	230
Styrene		ND		5.1	230
Tetrachloroethene		19	J	11	230
Toluene		200	J	15	230
trans-1,2-Dichloroethene		25	J	8.4	230
trans-1,3-Dichloropropene		ND		18	230
Trichloroethene		ND		8.8	230
Trichlorofluoromethane		ND		15	230
Vinyl chloride		74	J	16	230
Xylenes, Total		170	J B	5.6	450
Ethylene Dibromide		ND		9.1	230

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	U1233267.D
Dilution:	1.0			Initial Weight/Volume:	6.193 g
Analysis Date:	10/24/2013 2143			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	104		33 - 134
Dibromofluoromethane (Surr)	99		30 - 122
4-Bromofluorobenzene (Surr)	104		26 - 141
1,2-Dichloroethane-d4 (Surr)	89		39 - 128

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	U1233267.D
Dilution:	1.0			Initial Weight/Volume:	6.193 g
Analysis Date:	10/24/2013 2143			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
124-18-5	Decane	9.84	420	T J N
1678-93-9	Cyclohexane, butyl-	10.48	360	T J N
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	10.99	430	T J N
1120-21-4	Undecane	11.10	980	T J N
	Unknown	11.18	370	T J
	Unknown	11.31	450	T J
	Unknown	12.11	410	T J
134261-85-1	3-(2-Methyl-propenyl)-1H-indene	12.62	450	T J N
829-26-5	Naphthalene, 2,3,6-trimethyl-	13.29	490	T J N
2131-42-2	Naphthalene, 1,4,6-trimethyl-	13.42	610	T J N

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	U1233268.D
Dilution:	1.0			Initial Weight/Volume:	5.969 g
Analysis Date:	10/24/2013 2206			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		56	J	21	250
1,1,2,2-Tetrachloroethane		ND		8.9	250
1,1,2-Trichloroethane		ND		12	250
1,1-Dichloroethane		ND		17	250
1,1-Dichloroethene		ND		18	250
1,2,4-Trichlorobenzene		ND		7.3	250
1,2-Dibromo-3-Chloropropane		ND		50	500
1,2-Dichlorobenzene		ND		8.6	250
1,2-Dichloroethane		ND		10	250
1,2-Dichloropropane		ND		8.2	250
1,3-Dichlorobenzene		ND		4.8	250
1,4-Dichlorobenzene		ND		8.0	250
2-Butanone (MEK)		ND		43	1000
2-Hexanone		ND		20	1000
4-Methyl-2-pentanone (MIBK)		ND		48	1000
Acetone		ND		170	1000
Benzene		ND		12	250
Bromoform		ND		19	250
Bromomethane		ND		29	250
Carbon disulfide		ND		12	250
Carbon tetrachloride		ND		6.4	250
Chlorobenzene		ND		6.4	250
Chlorodibromomethane		ND		12	250
Chloroethane		ND		61	250
Chloroform		ND		8.8	250
Chloromethane		ND		14	250
cis-1,2-Dichloroethene		18	J	6.9	250
cis-1,3-Dichloropropene		ND		7.9	250
Dichlorodifluoromethane		ND		16	250
Dichlorobromomethane		ND		9.9	250
Ethylbenzene		130	J	5.4	250
Isopropylbenzene		15	J	6.5	250
Methyl tert-butyl ether		ND		7.1	250
Methylene Chloride		ND		77	250
Styrene		ND		5.6	250
Tetrachloroethene		14	J	12	250
Toluene		28	J	17	250
trans-1,2-Dichloroethene		29	J	9.2	250
trans-1,3-Dichloropropene		ND		20	250
Trichloroethene		110	J	9.7	250
Trichlorofluoromethane		ND		16	250
Vinyl chloride		ND		18	250
Xylenes, Total		160	J B	6.2	500
Ethylene Dibromide		ND		10	250

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	U1233268.D
Dilution:	1.0			Initial Weight/Volume:	5.969 g
Analysis Date:	10/24/2013 2206			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		33 - 134
Dibromofluoromethane (Surr)	103		30 - 122
4-Bromofluorobenzene (Surr)	104		26 - 141
1,2-Dichloroethane-d4 (Surr)	90		39 - 128

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	U1233268.D
Dilution:	1.0			Initial Weight/Volume:	5.969 g
Analysis Date:	10/24/2013 2206			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1678-92-8	Cyclohexane, propyl-	9.11	890	T J N
1678-93-9	Cyclohexane, butyl-	10.48	830	T J N
13151-34-3	Decane, 3-methyl-	10.75	850	T J N
493-02-7	Naphthalene, decahydro-, trans-	10.99	1500	T J N
54411-02-8	Cyclohexane, 1-methyl-3-pentyl-	11.11	1100	T J N
61141-80-8	Cyclohexane, 1,2-diethyl-3-methyl-	11.19	1100	T J N
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	11.30	1600	T J N
1595-16-0	Benzene, 1-methyl-4-(1-methylpropyl)-	11.52	600	T J N
1000152-47-3	trans-Decalin, 2-methyl-	11.68	850	T J N
2958-76-1	Naphthalene, decahydro-2-methyl-	11.90	930	T J N

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

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:	U1233269.D
Dilution:	1.0			Initial Weight/Volume:	7.306 g
Analysis Date:	10/24/2013 2228			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		24	J	16	190
1,1,2,2-Tetrachloroethane		ND		6.7	190
1,1,2-Trichloroethane		ND		9.0	190
1,1-Dichloroethane		32	J	13	190
1,1-Dichloroethene		ND		14	190
1,2,4-Trichlorobenzene		ND		5.5	190
1,2-Dibromo-3-Chloropropane		ND		38	380
1,2-Dichlorobenzene		ND		6.5	190
1,2-Dichloroethane		ND		7.5	190
1,2-Dichloropropane		ND		6.2	190
1,3-Dichlorobenzene		ND		3.6	190
1,4-Dichlorobenzene		ND		6.0	190
2-Butanone (MEK)		ND		32	750
2-Hexanone		ND		15	750
4-Methyl-2-pentanone (MIBK)		ND		36	750
Acetone		ND		130	750
Benzene		ND		9.0	190
Bromoform		ND		14	190
Bromomethane		ND		22	190
Carbon disulfide		ND		9.0	190
Carbon tetrachloride		ND		4.8	190
Chlorobenzene		ND		4.8	190
Chlorodibromomethane		ND		9.0	190
Chloroethane		ND		46	190
Chloroform		ND		6.6	190
Chloromethane		ND		11	190
cis-1,2-Dichloroethene		530		5.2	190
cis-1,3-Dichloropropene		ND		5.9	190
Dichlorodifluoromethane		ND		12	190
Dichlorobromomethane		ND		7.4	190
Ethylbenzene		ND		4.1	190
Isopropylbenzene		ND		4.9	190
Methyl tert-butyl ether		ND		5.3	190
Methylene Chloride		ND		58	190
Styrene		ND		4.2	190
Tetrachloroethene		ND		9.0	190
Toluene		ND		13	190
trans-1,2-Dichloroethene		19	J	6.9	190
trans-1,3-Dichloropropene		ND		15	190
Trichloroethene		140	J	7.3	190
Trichlorofluoromethane		ND		12	190
Vinyl chloride		16	J	14	190
Xylenes, Total		25	J B	4.7	380
Ethylene Dibromide		ND		7.5	190

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

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:	U1233269.D
Dilution:	1.0			Initial Weight/Volume:	7.306 g
Analysis Date:	10/24/2013 2228			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	110		33 - 134
Dibromofluoromethane (Surr)	107		30 - 122
4-Bromofluorobenzene (Surr)	110		26 - 141
1,2-Dichloroethane-d4 (Surr)	91		39 - 128

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

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:	U1233269.D
Dilution:	1.0			Initial Weight/Volume:	7.306 g
Analysis Date:	10/24/2013 2228			Final Weight/Volume:	5 mL
Prep Date:	10/21/2013 1013				

Tentatively Identified Compounds **Number TIC's Found: 9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
13151-34-3	Decane, 3-methyl-	10.75	190	T J N
2808-75-5	1-Methyl-2-methylenecyclohexane	11.00	250	T J N
1120-21-4	Undecane	11.10	430	T J N
63830-68-2	4-Nonene, 2,3,3-trimethyl-, (Z)-	11.19	260	T J N
74764-55-9	Propanedinitrile, cyclohexyl(2-methylcyc	11.30	340	T J N
4292-92-6	Cyclohexane, pentyl-	11.75	280	T J N
2245-38-7	Naphthalene, 1,6,7-trimethyl-	13.29	230	T J N
829-26-5	Naphthalene, 2,3,6-trimethyl-	13.43	350	T J N
2131-42-2	Naphthalene, 1,4,6-trimethyl-	13.91	270	T J N

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	31023015.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Analysis Date:	10/23/2013 1637			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		0.85	7.5
Acenaphthylene		ND		0.39	7.5
Acetophenone		ND		10	110
Anthracene		ND		0.87	7.5
Benzo[a]anthracene		ND		0.71	7.5
Benzo[a]pyrene		ND		0.72	7.5
Benzo[b]fluoranthene		ND		0.66	7.5
Benzo[g,h,i]perylene		ND		0.39	7.5
Benzo[k]fluoranthene		ND		0.76	7.5
Bis(2-chloroethoxy)methane		ND		25	110
Bis(2-chloroethyl)ether		ND		2.2	110
bis (2-chloroisopropyl) ether		ND		11	110
Bis(2-ethylhexyl) phthalate		ND		21	78
4-Bromophenyl phenyl ether		ND		15	56
Butyl benzyl phthalate		ND		11	78
Carbazole		ND		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		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		22	170
Diethyl phthalate		ND		18	78
2,4-Dimethylphenol		ND		22	170
Dimethyl phthalate		ND		19	78
Di-n-butyl phthalate		94	B	17	78
4,6-Dinitro-2-methylphenol		ND		10	170
2,4-Dinitrophenol		ND		24	370
2,4-Dinitrotoluene		ND		19	220
2,6-Dinitrotoluene		ND		24	220
Di-n-octyl phthalate		ND		8.8	78
Fluoranthene		27		0.62	7.5
Fluorene		17		0.59	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		50		0.56	7.5
2-Methylphenol		ND		12	220
3 & 4 Methylphenol		ND		22	450
Naphthalene		62		0.92	7.5

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	31023015.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Analysis Date:	10/23/2013 1637			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		2.5	110
2-Nitrophenol		ND		9.3	56
4-Nitrophenol		ND		19	370
N-Nitrosodi-n-propylamine		ND		7.1	56
N-Nitrosodiphenylamine		ND		24	56
Pentachlorophenol		ND		10	170
Phenanthrene		45		0.82	7.5
Phenol		ND		8.2	56
Pyrene		22		0.49	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)	63		24 - 110
Nitrobenzene-d5 (Surr)	63		20 - 110
Phenol-d5 (Surr)	63		26 - 110
Terphenyl-d14 (Surr)	88		36 - 110
2,4,6-Tribromophenol (Surr)	68		10 - 110

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	31023021.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Analysis Date:	10/23/2013 1859			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		0.91	8.0
Acenaphthylene		9.4		0.42	8.0
Acetophenone		ND		11	120
Anthracene		ND		0.93	8.0
Benzo[a]anthracene		ND		0.75	8.0
Benzo[a]pyrene		20		0.76	8.0
Benzo[b]fluoranthene		36		0.70	8.0
Benzo[g,h,i]perylene		ND		0.42	8.0
Benzo[k]fluoranthene		ND		0.81	8.0
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		200		23	83
4-Bromophenyl phenyl ether		ND		15	60
Butyl benzyl phthalate		ND		12	83
Carbazole		ND		32	60
4-Chloroaniline		ND		20	180
4-Chloro-3-methylphenol		ND		25	180
2-Chlorophenol		ND		9.8	60
4-Chlorophenyl phenyl ether		ND		15	60
Chrysene		ND		1.3	8.0
Dibenz(a,h)anthracene		ND		0.79	8.0
Dibenzofuran		ND		0.79	60
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		46	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		9.4	83
Fluoranthene		38		0.66	8.0
Fluorene		ND		0.63	8.0
Hexachlorobenzene		ND		2.5	8.0
Hexachlorobutadiene		ND		6.7	60
Hexachlorocyclopentadiene		ND		9.7	390
Hexachloroethane		ND		11	60
Indeno[1,2,3-cd]pyrene		13		0.42	8.0
Isophorone		ND		15	60
2-Methylnaphthalene		50		0.60	8.0
2-Methylphenol		ND		13	240
3 & 4 Methylphenol		ND		24	480
Naphthalene		68		0.98	8.0

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	31023021.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Analysis Date:	10/23/2013 1859			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	240
3-Nitroaniline		ND		19	240
4-Nitroaniline		ND		31	240
Nitrobenzene		ND		2.6	120
2-Nitrophenol		ND		9.9	60
4-Nitrophenol		ND		20	390
N-Nitrosodi-n-propylamine		ND		7.5	60
N-Nitrosodiphenylamine		ND		25	60
Pentachlorophenol		ND		11	180
Phenanthrene		41		0.87	8.0
Phenol		ND		8.7	60
Pyrene		48		0.52	8.0
2,4,5-Trichlorophenol		ND		30	180
2,4,6-Trichlorophenol		ND		11	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	70		24 - 110
2-Fluorophenol (Surr)	60		24 - 110
Nitrobenzene-d5 (Surr)	70		20 - 110
Phenol-d5 (Surr)	63		26 - 110
Terphenyl-d14 (Surr)	86		36 - 110
2,4,6-Tribromophenol (Surr)	54		10 - 110

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107525	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-107074	Lab File ID:	31029012.D
Dilution:	1.0			Initial Weight/Volume:	30.45 g
Analysis Date:	10/29/2013 1321			Final Weight/Volume:	2 mL
Prep Date:	10/25/2013 0815			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.82	7.2
Acenaphthylene		ND		0.38	7.2
Acetophenone		ND		10	110
Anthracene		ND		0.84	7.2
Benzo[a]anthracene		ND		0.68	7.2
Benzo[a]pyrene		ND		0.69	7.2
Benzo[b]fluoranthene		ND		0.64	7.2
Benzo[g,h,i]perylene		ND		0.38	7.2
Benzo[k]fluoranthene		ND		0.74	7.2
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		130		21	76
4-Bromophenyl phenyl ether		ND		14	54
Butyl benzyl phthalate		ND		11	76
Carbazole		ND		29	54
4-Chloroaniline		ND		18	160
4-Chloro-3-methylphenol		ND		23	160
2-Chlorophenol		ND		8.9	54
4-Chlorophenyl phenyl ether		ND		14	54
Chrysene		ND		1.2	7.2
Dibenz(a,h)anthracene		ND		0.71	7.2
Dibenzofuran		ND		0.71	54
3,3'-Dichlorobenzidine		ND		19	110
2,4-Dichlorophenol		ND		22	160
Diethyl phthalate		ND		17	76
2,4-Dimethylphenol		ND		22	160
Dimethyl phthalate		ND		18	76
Di-n-butyl phthalate		69	J	16	76
4,6-Dinitro-2-methylphenol		ND		10	160
2,4-Dinitrophenol		ND		23	360
2,4-Dinitrotoluene		ND		18	220
2,6-Dinitrotoluene		ND		23	220
Di-n-octyl phthalate		ND		8.6	76
Fluoranthene		ND		0.60	7.2
Fluorene		ND		0.57	7.2
Hexachlorobenzene		ND		2.3	7.2
Hexachlorobutadiene		ND		6.1	54
Hexachlorocyclopentadiene		ND		8.8	360
Hexachloroethane		ND		9.7	54
Indeno[1,2,3-cd]pyrene		ND		0.38	7.2
Isophorone		ND		14	54
2-Methylnaphthalene		8.1		0.54	7.2
2-Methylphenol		ND		12	220
3 & 4 Methylphenol		ND		22	430
Naphthalene		28		0.89	7.2

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-107525	Instrument ID:	A4HP10
Prep Method:	3540C	Prep Batch:	240-107074	Lab File ID:	31029012.D
Dilution:	1.0			Initial Weight/Volume:	30.45 g
Analysis Date:	10/29/2013 1321			Final Weight/Volume:	2 mL
Prep Date:	10/25/2013 0815			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2-Nitroaniline		ND		9.9	220
3-Nitroaniline		ND		17	220
4-Nitroaniline		ND		28	220
Nitrobenzene		ND		2.4	110
2-Nitrophenol		ND		9.0	54
4-Nitrophenol		ND		18	360
N-Nitrosodi-n-propylamine		ND		6.8	54
N-Nitrosodiphenylamine		ND		23	54
Pentachlorophenol		ND		9.9	160
Phenanthrene		ND		0.79	7.2
Phenol		ND		7.9	54
Pyrene		ND		0.48	7.2
2,4,5-Trichlorophenol		ND		27	160
2,4,6-Trichlorophenol		ND		9.6	160

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	69		24 - 110
2-Fluorophenol (Surr)	75		24 - 110
Nitrobenzene-d5 (Surr)	72		20 - 110
Phenol-d5 (Surr)	73		26 - 110
Terphenyl-d14 (Surr)	89		36 - 110
2,4,6-Tribromophenol (Surr)	54		10 - 110

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-109089	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106122	Initial Weight/Volume:	29.62 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	11/09/2013 1934			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	*	6.8	9.7
alpha-BHC		ND	*	4.2	9.7
alpha-Chlordane		ND	*	5.4	9.7
beta-BHC		ND	*	6.3	9.7
4,4'-DDD		ND	*	3.5	9.7
4,4'-DDE		ND	*	2.2	9.7
4,4'-DDT		ND	*	3.6	9.7
delta-BHC		ND	*	6.8	9.7
Dieldrin		ND	*	2.7	9.7
Endosulfan I		ND	*	3.0	9.7
Endosulfan II		ND	*	4.7	9.7
Endosulfan sulfate		ND	*	5.0	9.7
Endrin		ND	*	2.9	9.7
Endrin aldehyde		ND	*	5.7	9.7
Endrin ketone		ND	*	3.6	9.7
gamma-BHC (Lindane)		ND	*	4.2	9.7
gamma-Chlordane		ND	*	2.4	9.7
Heptachlor		ND	*	6.3	9.7
Heptachlor epoxide		ND	*	4.6	9.7
Methoxychlor		ND	*	8.6	19
Toxaphene		ND		110	380

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		41 - 157
DCB Decachlorobiphenyl	75		41 - 157
Tetrachloro-m-xylene	237	X	40 - 149
Tetrachloro-m-xylene	91		40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110788	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.70 g
Dilution:	50			Final Weight/Volume:	10 mL
Analysis Date:	11/21/2013 0231	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	68	97
alpha-BHC		ND	H	42	97
alpha-Chlordane		ND	H	54	97
beta-BHC		ND	H	63	97
4,4'-DDD		ND	H	35	97
4,4'-DDE		ND	H	22	97
4,4'-DDT		ND	H	36	97
delta-BHC		ND	H	68	97
Dieldrin		ND	H	27	97
Endosulfan I		ND	H	30	97
Endosulfan II		ND	H	47	97
Endosulfan sulfate		ND	H	50	97
Endrin		ND	H	28	97
Endrin aldehyde		ND	H	57	97
Endrin ketone		ND	H	36	97
gamma-BHC (Lindane)		ND	H	42	97
gamma-Chlordane		ND	H	24	97
Heptachlor		ND	H	63	97
Heptachlor epoxide		ND	H	46	97
Methoxychlor		ND	H	85	190
Toxaphene		ND	H	1100	3800

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	41 - 157
Tetrachloro-m-xylene	0	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110788	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.70 g
Dilution:	50			Final Weight/Volume:	10 mL
Analysis Date:	11/21/2013 0231	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	41 - 157
Tetrachloro-m-xylene	0	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106122	Initial Weight/Volume:	30.48 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/04/2013 0324			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	2.0
alpha-BHC		ND	*	0.86	2.0
alpha-Chlordane		ND	*	1.1	2.0
beta-BHC		ND	*	1.3	2.0
4,4'-DDD		ND	*	0.73	2.0
4,4'-DDE		0.55	J *	0.46	2.0
4,4'-DDT		ND	*	0.74	2.0
delta-BHC		ND	*	1.4	2.0
Dieldrin		ND	*	0.55	2.0
Endosulfan I		ND	*	0.61	2.0
Endosulfan II		ND	*	0.97	2.0
Endosulfan sulfate		ND	*	1.0	2.0
Endrin		ND	*	0.59	2.0
Endrin aldehyde		ND	*	1.2	2.0
Endrin ketone		ND	*	0.74	2.0
gamma-BHC (Lindane)		ND	*	0.87	2.0
gamma-Chlordane		ND	*	0.50	2.0
Heptachlor		ND	*	1.3	2.0
Heptachlor epoxide		ND	*	0.94	2.0
Methoxychlor		ND	*	1.8	3.9
Toxaphene		ND		22	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	41		41 - 157
DCB Decachlorobiphenyl	70		41 - 157
Tetrachloro-m-xylene	42		40 - 149
Tetrachloro-m-xylene	43		40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.78 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2209	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	1.4	2.1
alpha-BHC		ND	H	0.88	2.1
alpha-Chlordane		ND	H	1.1	2.1
beta-BHC		4.5	H	1.3	2.1
4,4'-DDD		ND	H	0.75	2.1
4,4'-DDE		1.2	J H	0.47	2.1
4,4'-DDT		ND	H	0.76	2.1
delta-BHC		ND	H	1.4	2.1
Dieldrin		ND	H	0.57	2.1
Endosulfan I		ND	H	0.63	2.1
Endosulfan II		ND	H	0.99	2.1
Endosulfan sulfate		2.9	H	1.0	2.1
Endrin		ND	H	0.60	2.1
Endrin aldehyde		ND	H	1.2	2.1
Endrin ketone		ND	H	0.76	2.1
gamma-BHC (Lindane)		ND	H	0.89	2.1
gamma-Chlordane		ND	H	0.51	2.1
Heptachlor		ND	H	1.3	2.1
Heptachlor epoxide		ND	H	0.97	2.1
Methoxychlor		ND	H	1.8	4.0
Toxaphene		ND	H	23	81

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		41 - 157
Tetrachloro-m-xylene	94		40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-110320	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	29.78 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/18/2013 2209	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		41 - 157
Tetrachloro-m-xylene	94		40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106122	Initial Weight/Volume:	30.09 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/04/2013 0345			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	*	1.3	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	*	0.52	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	98		41 - 157
DCB Decachlorobiphenyl	96		41 - 157
Tetrachloro-m-xylene	102		40 - 149
Tetrachloro-m-xylene	136		40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	30.19 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/05/2013 2225	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	0.80	1.9
alpha-Chlordane		ND	H	1.0	1.9
beta-BHC		ND	H	1.2	1.9
4,4'-DDD		ND	H	0.68	1.9
4,4'-DDE		ND	H	0.43	1.9
4,4'-DDT		ND	H	0.69	1.9
delta-BHC		ND	H	1.3	1.9
Dieldrin		ND	H	0.51	1.9
Endosulfan I		ND	H	0.57	1.9
Endosulfan II		ND	H	0.90	1.9
Endosulfan sulfate		ND	H	0.95	1.9
Endrin		ND	H	0.55	1.9
Endrin aldehyde		ND	H	1.1	1.9
Endrin ketone		ND	H	0.69	1.9
gamma-BHC (Lindane)		ND	H	0.81	1.9
gamma-Chlordane		ND	H	0.46	1.9
Heptachlor		ND	H	1.2	1.9
Heptachlor epoxide		ND	H	0.87	1.9
Methoxychlor		ND	H	1.6	3.6
Toxaphene		ND	H	21	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	72		41 - 157
Tetrachloro-m-xylene	86		40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-108338	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-108059	Initial Weight/Volume:	30.19 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	11/05/2013 2225	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	11/01/2013 0957			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79		41 - 157
Tetrachloro-m-xylene	97		40 - 149

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	29.62 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0513			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	38
Aroclor-1221		ND		18	38
Aroclor-1232		ND		16	38
Aroclor-1242		ND		15	38
Aroclor-1248		ND		19	38
Aroclor-1254		47		19	38
Aroclor-1260		ND		19	38
Aroclor-1262		ND		31	38
Aroclor-1268		ND		16	38

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	36		14 - 163
Tetrachloro-m-xylene	58		29 - 151

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	29.62 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0513			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	40		14 - 163
Tetrachloro-m-xylene	93		29 - 151

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	30.48 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0528			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	39
Aroclor-1221		ND		19	39
Aroclor-1232		ND		17	39
Aroclor-1242		ND		15	39
Aroclor-1248		ND		20	39
Aroclor-1254		83		20	39
Aroclor-1260		ND		20	39
Aroclor-1262		ND		32	39
Aroclor-1268		ND		17	39

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	47		14 - 163
Tetrachloro-m-xylene	51		29 - 151

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	30.48 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0528			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	57		14 - 163
Tetrachloro-m-xylene	87		29 - 151

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

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:	30.09 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0543			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		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	70		14 - 163
Tetrachloro-m-xylene	84		29 - 151

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

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:	30.09 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/22/2013 0543			Injection Volume:	1 uL
Prep Date:	10/18/2013 0832			Result Type:	SECONDARY

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

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345
Client Matrix: Solid % Moisture: 11.3 Date Received: 10/17/2013 0930

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:	1.36 g
Analysis Date:	10/30/2013 1414			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		6.4		0.25	1.2
Barium		27	B	0.059	17
Cadmium		ND		0.030	0.41
Chromium		5.2		0.17	0.83
Lead		3.0		0.16	0.83
Selenium		ND		0.37	1.7
Silver		ND		0.083	0.83

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:	0.52 g
Analysis Date:	10/24/2013 1810			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.020	0.13

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521
Client Matrix: Solid % Moisture: 16.5 Date Received: 10/17/2013 0930

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:	1.09 g
Analysis Date:	10/30/2013 1418			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.5		0.33	1.6
Barium		87	B	0.078	22
Cadmium		ND		0.040	0.55
Chromium		17		0.22	1.1
Lead		9.6		0.21	1.1
Selenium		ND		0.49	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 1817			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.016	0.11

Client: EnSafe, Inc. Job Number: 240-30346-1

Client Sample ID: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628
Client Matrix: Solid % Moisture: 9.0 Date Received: 10/17/2013 0930

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:	1.07 g
Analysis Date:	10/30/2013 1422			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1013				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.0		0.31	1.5
Barium		43	B	0.073	21
Cadmium		0.067	J	0.037	0.51
Chromium		6.8		0.21	1.0
Lead		3.1		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:	240-106191	Lab File ID:	102413A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Analysis Date:	10/24/2013 1819			Final Weight/Volume:	100 mL
Prep Date:	10/18/2013 1405				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.019	0.13

General Chemistry

Client Sample ID: **TRIVMW23S10**

Lab Sample ID: 240-30346-1 Date Sampled: 10/16/2013 1345

Client Matrix: Solid Date Received: 10/17/2013 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N
Percent Moisture	11		%	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: **TRIVSB02S6**

Lab Sample ID: 240-30346-2 Date Sampled: 10/16/2013 1521

Client Matrix: Solid Date Received: 10/17/2013 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N
Percent Moisture	17		%	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: **TRIVMW24S10**

Lab Sample ID: 240-30346-3 Date Sampled: 10/16/2013 1628

Client Matrix: Solid Date Received: 10/17/2013 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106259	Analysis Date: 10/18/2013 1716						DryWt Corrected: N
Percent Moisture	9.0		%	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: 240-30346-1

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
	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: 240-30346-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
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	
240-30346-1	TRIVMW23S10	T	Solid	5035	
240-30346-2	TRIVSB02S6	T	Solid	5035	
240-30346-3	TRIVMW24S10	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
240-30346-1	TRIVMW23S10	T	Solid	8260C	240-106363
240-30346-2	TRIVSB02S6	T	Solid	8260C	240-106363
240-30346-3	TRIVMW24S10	T	Solid	8260C	240-106363

Report Basis
T = Total

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	
240-30346-1	TRIVMW23S10	T	Solid	3540C	
240-30346-2	TRIVSB02S6	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
240-30346-1	TRIVMW23S10	T	Solid	8270D	240-106130
240-30346-2	TRIVSB02S6	T	Solid	8270D	240-106130
Prep Batch: 240-107074					
LCS 240-107074/21-A	Lab Control Sample	T	Solid	3540C	
MB 240-107074/20-A	Method Blank	T	Solid	3540C	
240-30346-3	TRIVMW24S10	T	Solid	3540C	
Analysis Batch:240-107525					
LCS 240-107074/21-A	Lab Control Sample	T	Solid	8270D	240-107074
MB 240-107074/20-A	Method Blank	T	Solid	8270D	240-107074
240-30346-3	TRIVMW24S10	T	Solid	8270D	240-107074

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30346-1

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	
240-30346-1	TRIVMW23S10	T	Solid	3540C	
240-30346-2	TRIVSB02S6	T	Solid	3540C	
240-30346-3	TRIVMW24S10	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	
240-30346-1	TRIVMW23S10	T	Solid	3540C	
240-30346-2	TRIVSB02S6	T	Solid	3540C	
240-30346-3	TRIVMW24S10	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
240-30346-1	TRIVMW23S10	T	Solid	8082A	240-106117
240-30346-2	TRIVSB02S6	T	Solid	8082A	240-106117
240-30346-3	TRIVMW24S10	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	
240-30346-1RE	TRIVMW23S10	T	Solid	3540C	
240-30346-2RE	TRIVSB02S6	T	Solid	3540C	
240-30346-3RE	TRIVMW24S10	T	Solid	3540C	
Analysis Batch:240-108129					
PB 240-108129/3	Preparation / Extraction Blank	T	Solid	8081B	
240-30346-2	TRIVSB02S6	T	Solid	8081B	240-106122
240-30346-3	TRIVMW24S10	T	Solid	8081B	240-106122
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
240-30346-3RE	TRIVMW24S10	T	Solid	8081B	240-108059

Client: EnSafe, Inc. Job Number: 240-30346-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-109089					
PB 240-109089/3	Preparation / Extraction Blank	T	Solid	8081B	
240-30346-1	TRIVMW23S10	T	Solid	8081B	240-106122
Analysis Batch:240-110320					
PB 240-110320/7	Preparation / Extraction Blank	T	Solid	8081B	
240-30346-2RE	TRIVSB02S6	T	Solid	8081B	240-108059
Analysis Batch:240-110788					
PB 240-110788/6	Preparation / Extraction Blank	T	Solid	8081B	
240-30346-1RE	TRIVMW23S10	T	Solid	8081B	240-108059

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30346-1

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	
240-30346-1	TRIVMW23S10	T	Solid	3050B	
240-30346-2	TRIVSB02S6	T	Solid	3050B	
240-30346-3	TRIVMW24S10	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	
240-30346-1	TRIVMW23S10	T	Solid	7471B	
240-30346-2	TRIVSB02S6	T	Solid	7471B	
240-30346-3	TRIVMW24S10	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
240-30346-1	TRIVMW23S10	T	Solid	7471B	240-106191
240-30346-2	TRIVSB02S6	T	Solid	7471B	240-106191
240-30346-3	TRIVMW24S10	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
240-30346-1	TRIVMW23S10	T	Solid	6010C	240-106168
240-30346-2	TRIVSB02S6	T	Solid	6010C	240-106168
240-30346-3	TRIVMW24S10	T	Solid	6010C	240-106168

Report Basis
T = Total

General Chemistry

Analysis Batch:240-106259					
240-30346-1	TRIVMW23S10	T	Solid	Moisture	
240-30346-2	TRIVSB02S6	T	Solid	Moisture	
240-30346-3	TRIVMW24S10	T	Solid	Moisture	

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 240-30346-1

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
240-30346-1	TRIVMW23S10	104	99	104	89
240-30346-2	TRIVSB02S6	107	103	104	90
240-30346-3	TRIVMW24S10	110	107	110	91
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: 240-30346-1

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
240-30346-1	TRIVMW23S10	66	63	63	63	88	68
240-30346-2	TRIVSB02S6	70	60	70	63	86	54
240-30346-3	TRIVMW24S10	69	75	72	73	89	54
MB 240-106130/19-A		73	61	69	68	91	41
MB 240-107074/20-A		78	65	78	76	95	36
LCS 240-106130/20-A		79	77	75	80	100	85
LCS 240-107074/21-A		80	84	75	81	99	89

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: 240-30346-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30346-1	TRIVMW23S10	83	75	237X	91
240-30346-1 RE	TRIVMW23S10 RE	0X	0X	0X	0X
240-30346-2	TRIVSB02S6	41	70	42	43
240-30346-2 RE	TRIVSB02S6 RE	77	80	94	94
240-30346-3	TRIVMW24S10	98	96	102	136
240-30346-3 RE	TRIVMW24S10 RE	72	79	86	97
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: 240-30346-1

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
240-30346-1	TRIVMW23S10	36	40	58	93
240-30346-2	TRIVSB02S6	47	57	51	87
240-30346-3	TRIVMW24S10	70	81	84	81
MB 240-106117/14-A		71	82	74	88
LCS 240-106117/15-A		76	90	124	87

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

Client: EnSafe, Inc. Job Number: 240-30346-1

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
1,1,1-Trichloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		8.9	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		17	250
1,1-Dichloroethene	ND		18	250
1,2,4-Trichlorobenzene	ND		7.3	250
1,2-Dibromo-3-Chloropropane	ND		50	500
1,2-Dichlorobenzene	ND		8.6	250
1,2-Dichloroethane	ND		10	250
1,2-Dichloropropane	ND		8.2	250
1,3-Dichlorobenzene	ND		4.8	250
1,4-Dichlorobenzene	ND		8.0	250
2-Butanone (MEK)	ND		43	1000
2-Hexanone	ND		20	1000
4-Methyl-2-pentanone (MIBK)	ND		48	1000
Acetone	ND		170	1000
Benzene	ND		12	250
Bromoform	ND		19	250
Bromomethane	ND		29	250
Carbon disulfide	ND		12	250
Carbon tetrachloride	ND		6.4	250
Chlorobenzene	ND		6.4	250
Chlorodibromomethane	ND		12	250
Chloroethane	ND		61	250
Chloroform	ND		8.8	250
Chloromethane	ND		14	250
cis-1,2-Dichloroethene	ND		6.9	250
cis-1,3-Dichloropropene	ND		7.9	250
Dichlorodifluoromethane	ND		16	250
Dichlorobromomethane	ND		9.9	250
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
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
Trichloroethene	ND		9.7	250
Trichlorofluoromethane	ND		16	250
Vinyl chloride	ND		18	250
Xylenes, Total	6.72	J	6.2	500

Client: EnSafe, Inc. Job Number: 240-30346-1

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
Ethylene Dibromide	ND		10	250

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: 240-30346-1

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
1,1,1-Trichloroethane	1000	1050	105	38 - 122	
1,1,2,2-Tetrachloroethane	1000	1010	101	54 - 121	
1,1,2-Trichloroethane	1000	1020	102	74 - 114	
1,1-Dichloroethane	1000	1040	104	63 - 117	
1,1-Dichloroethene	1000	902	90	44 - 143	
1,2,4-Trichlorobenzene	1000	1250	125	41 - 135	
1,2-Dibromo-3-Chloropropane	1000	1220	122	10 - 129	
1,2-Dichlorobenzene	1000	1180	118	68 - 118	
1,2-Dichloroethane	1000	1010	101	68 - 119	
1,2-Dichloropropane	1000	1130	113	73 - 113	
1,3-Dichlorobenzene	1000	1170	117	66 - 121	
1,4-Dichlorobenzene	1000	1130	113	65 - 119	
2-Butanone (MEK)	2000	1970	98	10 - 199	
2-Hexanone	2000	2150	108	43 - 130	
4-Methyl-2-pentanone (MIBK)	2000	2060	103	49 - 121	
Acetone	2000	1710	86	16 - 156	
Benzene	1000	1050	105	70 - 117	
Bromoform	1000	937	94	10 - 117	
Bromomethane	1000	1060	106	10 - 114	
Carbon disulfide	1000	1140	114	10 - 132	
Carbon tetrachloride	1000	1060	106	29 - 118	
Chlorobenzene	1000	1130	113	71 - 116	
Chlorodibromomethane	1000	1080	108	22 - 113	
Chloroethane	1000	1020	102	10 - 120	
Chloroform	1000	1010	101	63 - 116	
Chloromethane	1000	681	68	25 - 110	
cis-1,2-Dichloroethene	1000	1030	103	60 - 125	
cis-1,3-Dichloropropene	1000	1050	105	25 - 120	
Dichlorodifluoromethane	1000	403	40	10 - 110	
Dichlorobromomethane	1000	992	99	28 - 123	
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	
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	

Client: EnSafe, Inc. Job Number: 240-30346-1

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
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	
Ethylene Dibromide	1000	1090	109	47 - 123	

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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

Method Blank - Batch: 240-107074

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-107074/20-A	Analysis Batch:	240-107525	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-107074	Lab File ID:	31029005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/29/2013 1050	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/25/2013 0815			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	ND		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: 240-30346-1

Method Blank - Batch: 240-107074

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-107074/20-A	Analysis Batch:	240-107525	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-107074	Lab File ID:	31029005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/29/2013 1050	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/25/2013 0815			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)	65	24 - 110
Nitrobenzene-d5 (Surr)	78	20 - 110
Phenol-d5 (Surr)	76	26 - 110
Terphenyl-d14 (Surr)	95	36 - 110
2,4,6-Tribromophenol (Surr)	36	10 - 110

Client: EnSafe, Inc. Job Number: 240-30346-1

Lab Control Sample - Batch: 240-107074

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-107074/21-A	Analysis Batch:	240-107525	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-107074	Lab File ID:	31029006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/29/2013 1111	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/25/2013 0815			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	499	75	38 - 110	
Acenaphthylene	667	496	74	40 - 110	
Acetophenone	667	418	63	40 - 110	
Anthracene	667	541	81	48 - 110	
Benzo[a]anthracene	667	562	84	50 - 110	
Benzo[a]pyrene	667	576	86	44 - 110	
Benzo[b]fluoranthene	667	599	90	43 - 110	
Benzo[g,h,i]perylene	667	591	89	51 - 110	
Benzo[k]fluoranthene	667	607	91	38 - 105	
Bis(2-chloroethoxy)methane	667	501	75	32 - 110	
Bis(2-chloroethyl)ether	667	482	72	34 - 110	
bis (2-chloroisopropyl) ether	667	420	63	29 - 110	
Bis(2-ethylhexyl) phthalate	667	582	87	50 - 110	
4-Bromophenyl phenyl ether	667	568	85	39 - 110	
Butyl benzyl phthalate	667	596	89	51 - 110	
Carbazole	667	585	88	50 - 110	
4-Chloroaniline	667	437	66	30 - 110	
4-Chloro-3-methylphenol	667	555	83	48 - 110	
2-Chlorophenol	667	492	74	37 - 110	
4-Chlorophenyl phenyl ether	667	549	82	40 - 110	
Chrysene	667	570	85	50 - 110	
Dibenz(a,h)anthracene	667	609	91	51 - 110	
Dibenzofuran	667	523	78	43 - 110	
3,3'-Dichlorobenzidine	1330	1060	80	28 - 110	
2,4-Dichlorophenol	667	523	78	39 - 110	
Diethyl phthalate	667	557	83	52 - 110	
2,4-Dimethylphenol	667	458	69	29 - 110	
Dimethyl phthalate	667	555	83	50 - 110	
Di-n-butyl phthalate	667	622	93	51 - 110	
4,6-Dinitro-2-methylphenol	1330	865	65	10 - 110	
2,4-Dinitrophenol	1330	623	47	10 - 110	
2,4-Dinitrotoluene	667	627	94	48 - 110	
2,6-Dinitrotoluene	667	564	85	45 - 110	
Di-n-octyl phthalate	667	597	89	48 - 110	
Fluoranthene	667	578	87	51 - 110	
Fluorene	667	532	80	46 - 110	
Hexachlorobenzene	667	550	82	43 - 110	
Hexachlorobutadiene	667	498	75	29 - 110	
Hexachlorocyclopentadiene	667	404	61	12 - 110	
Hexachloroethane	667	457	69	30 - 110	
Indeno[1,2,3-cd]pyrene	667	599	90	50 - 110	

Client: EnSafe, Inc. Job Number: 240-30346-1

Lab Control Sample - Batch: 240-107074

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-107074/21-A	Analysis Batch:	240-107525	Instrument ID:	A4HP10
Client Matrix:	Solid	Prep Batch:	240-107074	Lab File ID:	31029006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/29/2013 1111	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/25/2013 0815			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isophorone	667	451	68	36 - 110	
2-Methylnaphthalene	667	501	75	36 - 110	
2-Methylphenol	667	477	72	41 - 110	
3 & 4 Methylphenol	667	502	75	40 - 110	
Naphthalene	667	474	71	36 - 110	
2-Nitroaniline	667	549	82	45 - 110	
3-Nitroaniline	667	539	81	44 - 110	
4-Nitroaniline	667	618	93	48 - 110	
Nitrobenzene	667	472	71	32 - 110	
2-Nitrophenol	667	555	83	34 - 110	
4-Nitrophenol	1330	1140	85	28 - 110	
N-Nitrosodi-n-propylamine	667	462	69	38 - 110	
N-Nitrosodiphenylamine	1330	1110	84	46 - 110	
Pentachlorophenol	1330	975	73	10 - 110	
Phenanthrene	667	560	84	49 - 110	
Phenol	667	496	74	38 - 110	
Pyrene	667	554	83	49 - 110	
2,4,5-Trichlorophenol	667	543	81	25 - 110	
2,4,6-Trichlorophenol	667	517	78	12 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	80	24 - 110
2-Fluorophenol (Surr)	84	24 - 110
Nitrobenzene-d5 (Surr)	75	20 - 110
Phenol-d5 (Surr)	81	26 - 110
Terphenyl-d14 (Surr)	99	36 - 110
2,4,6-Tribromophenol (Surr)	89	10 - 110

Client: EnSafe, Inc. Job Number: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

Preparation / Extraction Blank - Batch: 240-108129 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-108129/3	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3110303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/03/2013 2059	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: 240-30346-1

Preparation / Extraction Blank - Batch: 240-108129 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-108129/3	Analysis Batch:	240-108129	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3110303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/03/2013 2059	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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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:	Solid	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/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: 240-30346-1

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:	Solid	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/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: 240-30346-1

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: 240-30346-1

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		

Client: EnSafe, Inc. Job Number: 240-30346-1

Preparation / Extraction Blank - Batch: 240-110788 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-110788/6	Analysis Batch:	240-110788	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3112006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	11/20/2013 2329	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		

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

Client: EnSafe, Inc. Job Number: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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: 240-30346-1

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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

240-30346 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

3.4

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client: EnSafe	Project Manager: Shane Goodnight	Date: 10/16/13	Chain of Custody Number: 013609
Address: 220 Athens Way STE 40	Telephone Number (Area Code)/Fax Number: 615-255-9300	Lab Number:	Page 1 of
City: Nashville / State: TN / Zip Code: 37228	Site Contact: Joe Matthews / Lab Contact: Amy McCormick	Analysis (Attach list if more space is needed)	
Project Name and Location (State): Carrier sub slab Investigation (TR-1 Vault)	Carrier/Waybill Number:		Special Instructions/ Conditions of Receipt
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	Special Instructions/Conditions of Receipt
TRIVMW23S10	10/16/13	1345				X		5						1		
TRIVSB02S6	10/16/13	1521				X		5						1		
TRIVMW24S10	10/16/13	1628				X		5						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)

Relinquished By	Date	Time	Received By	Date	Time
1. Relinquished By: [signature]	10/16/13	1730	1. Received By: [signature], Syn	10-16-13	17:30
2. Relinquished By: [signature]	10-16-13	1900	2. Received By: [signature]	10-17-13	930
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
Canton Facility

Login # : 30346

Client Ensafe Site Name _____

Cooler unpacked by: Chuck Green

Cooler Received on 10-17-13 Opened on 10-17-13

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

~~TestAmerica Cooler #~~ 4496 ~~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. 3.4 °C	Corrected Cooler Temp. 3.4 °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# 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: Chuck Green

No tests marked on COC will log everything supplied

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: 240-30406-1

Job Description: Former TR-1 Vault 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
11/6/2013 6:44 PM

Amy L McCormick, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
11/06/2013

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Former TR-1 Vault Investigation

Report Number: 240-30406-1

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 10/18/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.2 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample TRIVSB04S14 (240-30406-1) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 10/18/2013 and analyzed on 10/25/2013.

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)

Sample TRIVSB04S14 (240-30406-1) was analyzed for semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/22/2013 and analyzed on 10/24/2013.

No difficulties were encountered during the SVOCs analysis.

All quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Sample TRIVSB04S14 (240-30406-1) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 10/21/2013 and analyzed on 10/23/2013.

The opening continuing calibration verification (CCV) associated with batch 106642 recovered DDE, DDT, Endosulfan Sulfate, and Methoxychlor above the upper control limits. Sample TRIVSB04S14 (240-30406-1) 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 106642 recovered DDE and Endosulfan Sulfate above the upper control limits. Sample TRIVSB04S14 (240-30406-1) associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported.

The initial calibration verification (ICV) for analytical batch 106642 was outside control criteria for some analytes on the confirmation column. Sample TRIVSB04S14 (240-30406-1) associated with this ICV was reported from the primary column for the affected analytes.

The peaks for Endosulfan II and DDD are merged on the rear column in the initial calibration curve (ICAL). Sample TRIVSB04S14 (240-30406-1) was non-detect for these analytes; therefore, the data have been reported. All QC data for these analytes have been reported from the front column.

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample TRIVSB04S14 (240-30406-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 10/21/2013 and analyzed on 10/23/2013.

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. Sample LCS 240-106365/17-A contained an allowable number of surrogate compounds outside limits. These results have been reported and qualified.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample TRIVSB04S14 (240-30406-1) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 10/21/2013 and analyzed on 10/22/2013.

Barium was detected in method blank MB 240-106370/1-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 TRIVSB04S14 (240-30406-1) was analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 10/24/2013 and analyzed on 10/25/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Sample TRIVSB04S14 (240-30406-1) was analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 10/22/2013.

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: 240-30406-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-30406-1	**TRIVSB04S14**					
cis-1,2-Dichloroethene		97		4.0	ug/Kg	8260C
1,1-Dichloroethane		6.4		4.0	ug/Kg	8260C
1,1-Dichloroethene		2.4	J	4.0	ug/Kg	8260C
Methylene Chloride		6.8	B	4.0	ug/Kg	8260C
trans-1,2-Dichloroethene		1.3	J	4.0	ug/Kg	8260C
1,1,1-Trichloroethane		1.8	J	4.0	ug/Kg	8260C
Trichloroethene		51		4.0	ug/Kg	8260C
Vinyl chloride		2.8	J	4.0	ug/Kg	8260C
Bis(2-ethylhexyl) phthalate		32	J	79	ug/Kg	8270D
Arsenic		2.7		1.7	mg/Kg	6010C
Barium		42	B	22	mg/Kg	6010C
Cadmium		0.052	J	0.55	mg/Kg	6010C
Chromium		6.0		1.1	mg/Kg	6010C
Lead		3.0		1.1	mg/Kg	6010C
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-30406-1

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: 240-30406-1

Method	Analyst	Analyst ID
SW846 8260C	Lata, Todd	TJL2
SW846 8270D	Hula, Tom	TMH
SW846 8081B	Van Doren, Carolyn	CVD
SW846 8082A	Bosworth, Heather M	HMB
SW846 6010C	Counts, Karen	KLC
SW846 7471B	Martin, Aaron	AMM2
EPA Moisture	Grant, Katie	KMG

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-30406-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-30406-1	TRIVSB04S14	Solid	10/17/2013 1020	10/18/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

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:	UX88264.D
Dilution:	1.0			Initial Weight/Volume:	7.093 g
Analysis Date:	10/25/2013 0643			Final Weight/Volume:	5 mL
Prep Date:	10/18/2013 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		5.1	16
Benzene		ND		0.19	4.0
Bromoform		ND		0.27	4.0
Bromomethane		ND		0.44	4.0
2-Butanone (MEK)		ND		1.1	16
Carbon disulfide		ND		0.36	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		97		0.29	4.0
cis-1,3-Dichloropropene		ND		0.27	4.0
1,2-Dibromo-3-Chloropropane		ND		1.0	8.1
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		6.4		0.29	4.0
1,2-Dichloroethane		ND		0.27	4.0
1,1-Dichloroethene		2.4	J	0.42	4.0
1,2-Dichloropropane		ND		0.56	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		6.8	B	0.54	4.0
4-Methyl-2-pentanone (MIBK)		ND		0.44	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		1.3	J	0.33	4.0
trans-1,3-Dichloropropene		ND		0.44	4.0
1,2,4-Trichlorobenzene		ND		0.22	4.0
1,1,1-Trichloroethane		1.8	J	0.45	4.0
1,1,2-Trichloroethane		ND		0.31	4.0
Trichloroethene		51		0.34	4.0
Trichlorofluoromethane		ND		0.27	4.0
Vinyl chloride		2.8	J	0.31	4.0
Xylenes, Total		ND		0.28	8.1

Surrogate	%Rec	Qualifier	Acceptance Limits

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

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:	UX88264.D
Dilution:	1.0			Initial Weight/Volume:	7.093 g
Analysis Date:	10/25/2013 0643			Final Weight/Volume:	5 mL
Prep Date:	10/18/2013 1700				

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	95		52 - 136
Dibromofluoromethane (Surr)	91		37 - 132
1,2-Dichloroethane-d4 (Surr)	96		58 - 123
Toluene-d8 (Surr)	90		67 - 125

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

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:	UX88264.D
Dilution:	1.0			Initial Weight/Volume:	7.093 g
Analysis Date:	10/25/2013 0643			Final Weight/Volume:	5 mL
Prep Date:	10/18/2013 1700				

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: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106952	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-106510	Lab File ID:	31024014.D
Dilution:	1.0			Initial Weight/Volume:	30.30 g
Analysis Date:	10/24/2013 1558			Final Weight/Volume:	2 mL
Prep Date:	10/22/2013 0804			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene		ND		0.86	7.6
Acenaphthylene		ND		0.40	7.6
Acetophenone		ND		10	110
Anthracene		ND		0.88	7.6
Benzo[a]anthracene		ND		0.71	7.6
Benzo[a]pyrene		ND		0.73	7.6
Benzo[b]fluoranthene		ND		0.67	7.6
Benzo[g,h,i]perylene		ND		0.40	7.6
Benzo[k]fluoranthene		ND		0.77	7.6
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		32	J	22	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	7.6
Dibenz(a,h)anthracene		ND		0.75	7.6
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		ND		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		9.0	79
Fluoranthene		ND		0.62	7.6
Fluorene		ND		0.60	7.6
Hexachlorobenzene		ND		2.4	7.6
Hexachlorobutadiene		ND		6.3	57
Hexachlorocyclopentadiene		ND		9.2	370
Hexachloroethane		ND		10	57
Indeno[1,2,3-cd]pyrene		ND		0.40	7.6
Isophorone		ND		15	57
2-Methylnaphthalene		ND		0.57	7.6
2-Methylphenol		ND		12	230
3 & 4 Methylphenol		ND		23	450
Naphthalene		ND		0.93	7.6

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	240-106952	Instrument ID:	A4HP9
Prep Method:	3540C	Prep Batch:	240-106510	Lab File ID:	31024014.D
Dilution:	1.0			Initial Weight/Volume:	30.30 g
Analysis Date:	10/24/2013 1558			Final Weight/Volume:	2 mL
Prep Date:	10/22/2013 0804			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	7.6
Phenol		ND		8.3	57
Pyrene		ND		0.50	7.6
2,4,5-Trichlorophenol		ND		28	170
2,4,6-Trichlorophenol		ND		10	170

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl (Surr)	58		24 - 110
2-Fluorophenol (Surr)	57		24 - 110
Nitrobenzene-d5 (Surr)	52		20 - 110
Phenol-d5 (Surr)	64		26 - 110
Terphenyl-d14 (Surr)	64		36 - 110
2,4,6-Tribromophenol (Surr)	44		10 - 110

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-106642	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106369	Initial Weight/Volume:	30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/23/2013 1554			Injection Volume:	1 uL
Prep Date:	10/21/2013 1023			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		1.2	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		0.99	1.9
Endrin		ND		0.57	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		0.48	1.9
Heptachlor		ND		1.2	1.9
Heptachlor epoxide		ND		0.91	1.9
Methoxychlor		ND		1.7	3.7
Toxaphene		ND		22	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		41 - 157
Tetrachloro-m-xylene	122		40 - 149

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	240-106642	Instrument ID:	A2HP3
Prep Method:	3540C	Prep Batch:	240-106369	Initial Weight/Volume:	30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/23/2013 1554			Injection Volume:	1 uL
Prep Date:	10/21/2013 1023			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		41 - 157
Tetrachloro-m-xylene	100		40 - 149

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106678	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106365	Initial Weight/Volume:	30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/23/2013 0757			Injection Volume:	1 uL
Prep Date:	10/21/2013 1018			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		31	37
Aroclor-1268		ND		16	37

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		14 - 163
Tetrachloro-m-xylene	92		29 - 151

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-106678	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-106365	Initial Weight/Volume:	30.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	10/23/2013 0757			Injection Volume:	1 uL
Prep Date:	10/21/2013 1018			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		14 - 163
Tetrachloro-m-xylene	100		29 - 151

Client: EnSafe, Inc. Job Number: 240-30406-1

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020
Client Matrix: Solid % Moisture: 12.6 Date Received: 10/18/2013 0920

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	240-106684	Instrument ID:	I9
Prep Method:	3050B	Prep Batch:	240-106370	Lab File ID:	I9102213A.asc
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Analysis Date:	10/22/2013 1230			Final Weight/Volume:	100 mL
Prep Date:	10/21/2013 1027				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.7		0.33	1.7
Barium		42	B	0.078	22
Cadmium		0.052	J	0.040	0.55
Chromium		6.0		0.22	1.1
Lead		3.0		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:	240-107333	Instrument ID:	H4
Prep Method:	7471B	Prep Batch:	240-106970	Lab File ID:	102513A-HG4.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	10/25/2013 1733			Final Weight/Volume:	100 mL
Prep Date:	10/24/2013 1440				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		ND		0.017	0.11

General Chemistry

Client Sample ID: **TRIVSB04S14**

Lab Sample ID: 240-30406-1 Date Sampled: 10/17/2013 1020

Client Matrix: Solid Date Received: 10/18/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106625	Analysis Date: 10/22/2013 1435						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-106625	Analysis Date: 10/22/2013 1435						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-30406-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	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: 240-30406-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 240-106263					
240-30406-1	TRIVSB04S14	T	Solid	5035	
Prep Batch: 240-106758					
MB 240-106758/1-A	Method Blank	T	Solid	5035	
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
240-30406-1	TRIVSB04S14	T	Solid	8260C	240-106263

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 240-106510					
LCS 240-106510/11-A	Lab Control Sample	T	Solid	3540C	
MB 240-106510/10-A	Method Blank	T	Solid	3540C	
240-30406-1	TRIVSB04S14	T	Solid	3540C	
Analysis Batch:240-106952					
LCS 240-106510/11-A	Lab Control Sample	T	Solid	8270D	240-106510
MB 240-106510/10-A	Method Blank	T	Solid	8270D	240-106510
240-30406-1	TRIVSB04S14	T	Solid	8270D	240-106510

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30406-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-106365					
LCS 240-106365/17-A	Lab Control Sample	T	Solid	3540C	
LCSD 240-106365/18-A	Lab Control Sample Duplicate	T	Solid	3540C	
MB 240-106365/16-A	Method Blank	T	Solid	3540C	
240-30406-1	TRIVSB04S14	T	Solid	3540C	
Prep Batch: 240-106369					
LCS 240-106369/8-A	Lab Control Sample	T	Solid	3540C	
MB 240-106369/7-A	Method Blank	T	Solid	3540C	
240-30406-1	TRIVSB04S14	T	Solid	3540C	
Analysis Batch:240-106642					
PB 240-106642/3	Preparation / Extraction Blank	T	Solid	8081B	
LCS 240-106369/8-A	Lab Control Sample	T	Solid	8081B	240-106369
MB 240-106369/7-A	Method Blank	T	Solid	8081B	240-106369
240-30406-1	TRIVSB04S14	T	Solid	8081B	240-106369
Analysis Batch:240-106678					
PB 240-106678/2	Preparation / Extraction Blank	T	Solid	8082A	
LCS 240-106365/17-A	Lab Control Sample	T	Solid	8082A	240-106365
LCSD 240-106365/18-A	Lab Control Sample Duplicate	T	Solid	8082A	240-106365
MB 240-106365/16-A	Method Blank	T	Solid	8082A	240-106365
240-30406-1	TRIVSB04S14	T	Solid	8082A	240-106365

Report Basis
T = Total

Client: EnSafe, Inc. Job Number: 240-30406-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 240-106370					
LCS 240-106370/2-A	Lab Control Sample	T	Solid	3050B	
MB 240-106370/1-A	Method Blank	T	Solid	3050B	
240-30406-1	TRIVSB04S14	T	Solid	3050B	
Analysis Batch:240-106684					
LCS 240-106370/2-A	Lab Control Sample	T	Solid	6010C	240-106370
MB 240-106370/1-A	Method Blank	T	Solid	6010C	240-106370
240-30406-1	TRIVSB04S14	T	Solid	6010C	240-106370
Prep Batch: 240-106970					
LCS 240-106970/2-A	Lab Control Sample	T	Solid	7471B	
MB 240-106970/1-A	Method Blank	T	Solid	7471B	
240-30406-1	TRIVSB04S14	T	Solid	7471B	
Analysis Batch:240-107333					
LCS 240-106970/2-A	Lab Control Sample	T	Solid	7471B	240-106970
MB 240-106970/1-A	Method Blank	T	Solid	7471B	240-106970
240-30406-1	TRIVSB04S14	T	Solid	7471B	240-106970

Report Basis
T = Total

General Chemistry

Analysis Batch:240-106625					
240-30406-1	TRIVSB04S14	T	Solid	Moisture	

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 240-30406-1

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
240-30406-1	TRIVSB04S14	95	91	96	90
MB 240-106758/1-A		88	87	92	87
LCS 240-107052/5		94	91	94	89

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: 240-30406-1

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
240-30406-1	TRIVSB04S14	58	57	52	64	64	44
MB 240-106510/10-A		82	73	77	86	98	44
LCS 240-106510/11-A		81	81	80	85	91	70

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: 240-30406-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
240-30406-1	TRIVSB04S14	109	111	100	122
MB 240-106369/7-A		106	105	126	260X
LCS 240-106369/8-A		107	111	97	99

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

Client: EnSafe, Inc.

Job Number: 240-30406-1

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
240-30406-1	TRIVSB04S14	85	99	92	100
MB 240-106365/16-A		83	94	146	105
LCS 240-106365/17-A		94	106	180X	108
LCSD 240-106365/18-A		97	108	146	101

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

Client: EnSafe, Inc. Job Number: 240-30406-1

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
Acetone	ND		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	ND		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	2.86	J	0.67	5.0
4-Methyl-2-pentanone (MIBK)	ND		0.54	20
Methyl tert-butyl ether	ND		0.43	5.0
m-Xylene & p-Xylene	ND		1.2	10
o-Xylene	ND		0.35	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	ND		0.42	5.0
Trichlorofluoromethane	ND		0.34	5.0
Vinyl chloride	ND		0.39	5.0

Client: EnSafe, Inc. Job Number: 240-30406-1

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
4-Bromofluorobenzene (Surr)	88	52 - 136
Dibromofluoromethane (Surr)	87	37 - 132
1,2-Dichloroethane-d4 (Surr)	92	58 - 123
Toluene-d8 (Surr)	87	67 - 125

Method Blank TICs- Batch: 240-106758

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

Client: EnSafe, Inc. Job Number: 240-30406-1

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
Acetone	100	115	115	41 - 137	
Benzene	50.0	48.9	98	79 - 112	
Bromoform	50.0	59.1	118	62 - 133	
Bromomethane	50.0	45.7	91	42 - 136	
2-Butanone (MEK)	100	112	112	52 - 131	
Carbon disulfide	50.0	49.3	99	62 - 146	
Carbon tetrachloride	50.0	51.1	102	71 - 129	
Chlorobenzene	50.0	47.7	95	78 - 110	
Chlorodibromomethane	50.0	55.2	110	72 - 127	
Chloroethane	50.0	42.9	86	58 - 117	
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	
cis-1,3-Dichloropropene	50.0	57.2	114	74 - 128	
1,2-Dibromo-3-Chloropropane	50.0	49.2	98	61 - 132	
1,2-Dichlorobenzene	50.0	48.2	96	76 - 110	
1,3-Dichlorobenzene	50.0	47.2	94	78 - 111	
1,4-Dichlorobenzene	50.0	46.7	93	75 - 110	
Dichlorobromomethane	50.0	53.8	108	84 - 122	
Dichlorodifluoromethane	50.0	41.7	83	26 - 113	
1,1-Dichloroethane	50.0	48.2	96	76 - 115	
1,2-Dichloroethane	50.0	50.8	102	72 - 120	
1,1-Dichloroethene	50.0	45.0	90	75 - 135	
1,2-Dichloropropane	50.0	51.1	102	87 - 113	
Ethylbenzene	50.0	48.5	97	79 - 117	
Ethylene Dibromide	50.0	52.8	106	83 - 117	
2-Hexanone	100	119	119	64 - 136	
Isopropylbenzene	50.0	48.9	98	76 - 122	
Methylene Chloride	50.0	48.4	97	75 - 118	
4-Methyl-2-pentanone (MIBK)	100	122	122	67 - 135	
Methyl tert-butyl ether	50.0	54.9	110	49 - 165	
m-Xylene & p-Xylene	50.0	49.2	98	80 - 117	
o-Xylene	50.0	51.7	103	80 - 120	
Styrene	50.0	52.1	104	87 - 117	
1,1,2,2-Tetrachloroethane	50.0	52.0	104	77 - 123	
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	

Client: EnSafe, Inc. Job Number: 240-30406-1

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
1,1,2-Trichloroethane	50.0	49.9	100	83 - 112	
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
4-Bromofluorobenzene (Surr)	94	52 - 136
Dibromofluoromethane (Surr)	91	37 - 132
1,2-Dichloroethane-d4 (Surr)	94	58 - 123
Toluene-d8 (Surr)	89	67 - 125

Client: EnSafe, Inc. Job Number: 240-30406-1

Method Blank - Batch: 240-106510

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-106510/10-A	Analysis Batch:	240-106952	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-106510	Lab File ID:	31024003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/24/2013 1129	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/22/2013 0804			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	ND		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: 240-30406-1

Method Blank - Batch: 240-106510

Method: 8270D
Preparation: 3540C

Lab Sample ID:	MB 240-106510/10-A	Analysis Batch:	240-106952	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-106510	Lab File ID:	31024003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/24/2013 1129	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/22/2013 0804			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)	82	24 - 110
2-Fluorophenol (Surr)	73	24 - 110
Nitrobenzene-d5 (Surr)	77	20 - 110
Phenol-d5 (Surr)	86	26 - 110
Terphenyl-d14 (Surr)	98	36 - 110
2,4,6-Tribromophenol (Surr)	44	10 - 110

Client: EnSafe, Inc. Job Number: 240-30406-1

Lab Control Sample - Batch: 240-106510

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-106510/11-A	Analysis Batch:	240-106952	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-106510	Lab File ID:	31024004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/24/2013 1154	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/22/2013 0804			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	667	501	75	38 - 110	
Acenaphthylene	667	468	70	40 - 110	
Acetophenone	667	455	68	40 - 110	
Anthracene	667	502	75	48 - 110	
Benzo[a]anthracene	667	510	76	50 - 110	
Benzo[a]pyrene	667	508	76	44 - 110	
Benzo[b]fluoranthene	667	521	78	43 - 110	
Benzo[g,h,i]perylene	667	523	78	51 - 110	
Benzo[k]fluoranthene	667	535	80	38 - 105	
Bis(2-chloroethoxy)methane	667	514	77	32 - 110	
Bis(2-chloroethyl)ether	667	529	79	34 - 110	
bis (2-chloroisopropyl) ether	667	538	81	29 - 110	
Bis(2-ethylhexyl) phthalate	667	565	85	50 - 110	
4-Bromophenyl phenyl ether	667	494	74	39 - 110	
Butyl benzyl phthalate	667	556	83	51 - 110	
Carbazole	667	568	85	50 - 110	
4-Chloroaniline	667	386	58	30 - 110	
4-Chloro-3-methylphenol	667	495	74	48 - 110	
2-Chlorophenol	667	505	76	37 - 110	
4-Chlorophenyl phenyl ether	667	494	74	40 - 110	
Chrysene	667	509	76	50 - 110	
Dibenz(a,h)anthracene	667	513	77	51 - 110	
Dibenzofuran	667	489	73	43 - 110	
3,3'-Dichlorobenzidine	1330	865	65	28 - 110	
2,4-Dichlorophenol	667	485	73	39 - 110	
Diethyl phthalate	667	510	77	52 - 110	
2,4-Dimethylphenol	667	358	54	29 - 110	
Dimethyl phthalate	667	509	76	50 - 110	
Di-n-butyl phthalate	667	598	90	51 - 110	
4,6-Dinitro-2-methylphenol	1330	875	66	10 - 110	
2,4-Dinitrophenol	1330	516	39	10 - 110	
2,4-Dinitrotoluene	667	535	80	48 - 110	
2,6-Dinitrotoluene	667	504	76	45 - 110	
Di-n-octyl phthalate	667	543	81	48 - 110	
Fluoranthene	667	555	83	51 - 110	
Fluorene	667	489	73	46 - 110	
Hexachlorobenzene	667	505	76	43 - 110	
Hexachlorobutadiene	667	440	66	29 - 110	
Hexachlorocyclopentadiene	667	362	54	12 - 110	
Hexachloroethane	667	490	73	30 - 110	
Indeno[1,2,3-cd]pyrene	667	525	79	50 - 110	

Client: EnSafe, Inc. Job Number: 240-30406-1

Lab Control Sample - Batch: 240-106510

Method: 8270D
Preparation: 3540C

Lab Sample ID:	LCS 240-106510/11-A	Analysis Batch:	240-106952	Instrument ID:	A4HP9
Client Matrix:	Solid	Prep Batch:	240-106510	Lab File ID:	31024004.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/24/2013 1154	Units:	ug/Kg	Final Weight/Volume:	2 mL
Prep Date:	10/22/2013 0804			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isophorone	667	464	70	36 - 110	
2-Methylnaphthalene	667	476	71	36 - 110	
2-Methylphenol	667	479	72	41 - 110	
3 & 4 Methylphenol	667	500	75	40 - 110	
Naphthalene	667	476	71	36 - 110	
2-Nitroaniline	667	527	79	45 - 110	
3-Nitroaniline	667	472	71	44 - 110	
4-Nitroaniline	667	532	80	48 - 110	
Nitrobenzene	667	505	76	32 - 110	
2-Nitrophenol	667	511	77	34 - 110	
4-Nitrophenol	1330	1060	80	28 - 110	
N-Nitrosodi-n-propylamine	667	524	79	38 - 110	
N-Nitrosodiphenylamine	1330	1020	77	46 - 110	
Pentachlorophenol	1330	767	57	10 - 110	
Phenanthrene	667	499	75	49 - 110	
Phenol	667	541	81	38 - 110	
Pyrene	667	545	82	49 - 110	
2,4,5-Trichlorophenol	667	476	71	25 - 110	
2,4,6-Trichlorophenol	667	489	73	12 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl (Surr)	81	24 - 110
2-Fluorophenol (Surr)	81	24 - 110
Nitrobenzene-d5 (Surr)	80	20 - 110
Phenol-d5 (Surr)	85	26 - 110
Terphenyl-d14 (Surr)	91	36 - 110
2,4,6-Tribromophenol (Surr)	70	10 - 110

Client: EnSafe, Inc. Job Number: 240-30406-1

Method Blank - Batch: 240-106369

Method: 8081B
Preparation: 3540C

Lab Sample ID:	MB 240-106369/7-A	Analysis Batch:	240-106642	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-106369	Lab File ID:	P3102345.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 1757	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/21/2013 1023			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	105	41 - 157
Tetrachloro-m-xylene	126	40 - 149

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	106		41 - 157
Tetrachloro-m-xylene	260	X	40 - 149

Client: EnSafe, Inc. Job Number: 240-30406-1

Lab Control Sample - Batch: 240-106369

Method: 8081B
Preparation: 3540C

Lab Sample ID:	LCS 240-106369/8-A	Analysis Batch:	240-106642	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	240-106369	Lab File ID:	P3102338.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 1534	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/21/2013 1023			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	33.3	44.1	132	40 - 145	
alpha-BHC	33.3	47.0	141	50 - 153	
alpha-Chlordane	33.3	43.1	129	42 - 150	
beta-BHC	33.3	40.7	122	43 - 153	
4,4'-DDD	33.3	47.0	141	53 - 160	
4,4'-DDE	33.3	46.1	138	46 - 143	
4,4'-DDT	33.3	40.7	122	40 - 157	
delta-BHC	33.3	43.3	130	54 - 152	
Dieldrin	33.3	42.7	128	51 - 154	
Endosulfan I	33.3	30.2	91	40 - 148	
Endosulfan II	33.3	27.1	81	42 - 137	
Endosulfan sulfate	33.3	45.3	136	50 - 153	
Endrin	33.3	44.2	133	55 - 147	
Endrin aldehyde	33.3	38.6	116	43 - 158	
Endrin ketone	33.3	34.1	102	41 - 142	
gamma-BHC (Lindane)	33.3	43.7	131	44 - 160	
gamma-Chlordane	33.3	43.0	129	47 - 156	
Heptachlor	33.3	30.0	90	47 - 137	
Heptachlor epoxide	33.3	44.4	133	53 - 153	
Methoxychlor	33.3	37.8	113	40 - 152	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	111	41 - 157
Tetrachloro-m-xylene	99	40 - 149

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	107	41 - 157
Tetrachloro-m-xylene	97	40 - 149

Client: EnSafe, Inc. Job Number: 240-30406-1

Preparation / Extraction Blank - Batch: 240-106642 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-106642/3	Analysis Batch:	240-106642	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3102303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/23/2013 0340	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: 240-30406-1

Preparation / Extraction Blank - Batch: 240-106642 **Method: 8081B**
Preparation: N/A

Lab Sample ID:	PB 240-106642/3	Analysis Batch:	240-106642	Instrument ID:	A2HP3
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P3102303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	10/23/2013 0340	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: 240-30406-1

Method Blank - Batch: 240-106365

Method: 8082A
Preparation: 3540C

Lab Sample ID:	MB 240-106365/16-A	Analysis Batch:	240-106678	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-106365	Lab File ID:	P1000019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 0727	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/21/2013 1018			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	83	14 - 163
Tetrachloro-m-xylene	146	29 - 151

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	94	14 - 163
Tetrachloro-m-xylene	105	29 - 151

Client: EnSafe, Inc. Job Number: 240-30406-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 240-106365

Method: 8082A
Preparation: 3540C

LCS Lab Sample ID:	LCS 240-106365/17-A	Analysis Batch:	240-106678	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-106365	Lab File ID:	P1000028.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 0943	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/21/2013 1018			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 240-106365/18-A	Analysis Batch:	240-106678	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-106365	Lab File ID:	P1000029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	10/23/2013 0958	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	10/21/2013 1018			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor-1016	85	84	62 - 120	1	30		
Aroclor-1260	87	89	56 - 122	2	30		

Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	94		97	14 - 163
Tetrachloro-m-xylene	180	X	146	29 - 151

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	106	108	14 - 163
Tetrachloro-m-xylene	108	101	29 - 151

Client: EnSafe, Inc. Job Number: 240-30406-1

Preparation / Extraction Blank - Batch: 240-106678 **Method: 8082A**
Preparation: N/A

Lab Sample ID:	PB 240-106678/2	Analysis Batch:	240-106678	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:	10/23/2013 0309	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: 240-30406-1

Method Blank - Batch: 240-106370

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 240-106370/1-A	Analysis Batch:	240-106684	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-106370	Lab File ID:	I9102213A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/22/2013 1146	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/21/2013 1027				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.30	1.5
Barium	0.122	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: 240-106370

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 240-106370/2-A	Analysis Batch:	240-106684	Instrument ID:	I9
Client Matrix:	Solid	Prep Batch:	240-106370	Lab File ID:	I9102213A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	10/22/2013 1150	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/21/2013 1027				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	196	98	80 - 120	
Barium	200	191	95	80 - 120	
Cadmium	5.00	4.90	98	80 - 120	
Chromium	20.0	19.3	96	80 - 120	
Lead	50.0	47.2	94	80 - 120	
Selenium	200	192	96	80 - 120	
Silver	5.00	4.90	98	80 - 120	

Client: EnSafe, Inc. Job Number: 240-30406-1

Method Blank - Batch: 240-106970

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 240-106970/1-A	Analysis Batch:	240-107333	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106970	Lab File ID:	102513A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/25/2013 1645	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/24/2013 1440				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.015	0.10

Lab Control Sample - Batch: 240-106970

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 240-106970/2-A	Analysis Batch:	240-107333	Instrument ID:	H4
Client Matrix:	Solid	Prep Batch:	240-106970	Lab File ID:	102513A-HG4.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	10/25/2013 1647	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	10/24/2013 1440				
Leach Date:	N/A				

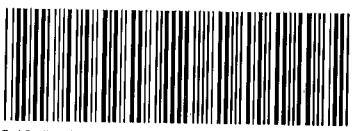
Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.833	0.974	117	80 - 120	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-30406 Chain of Custody

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

3.2

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 1 of 1

ENSAFE
EnSafe Inc.
800-588-7962

Project Name: Carrier TRI Vault Investigation
PO No. 15641 | Project No. 14331 | Phase PH03
Site Location: Syracuse, NY
Send Results To: Shane Goodnight sgoodnight@ensafe.com
Sampler/Site Phone# Joe Matthews
Lab Name: TEST AMERICA | Turnaround Time(specify): 21 days

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	VOCs	VOCs MeOH	dry wt	RCRA Metals	tot. PCBs, SVOCs, pesticides	Extra Volume for MS/MSD	HOLD
	TRIVSB04S14	~~TRIVSB~~ TRIVSB04	10/17/13	10:20	SO	N	N	6	2	1	1	1	1		
	~~TRIVSB04S15~~														

Field **Comments:**

Lab **Comments:**

Sample Shipment and Delivery Details
Number of coolers in shipment: 1
Samples Iced?(check) Yes X No
Method of Shipment: hand delivered
Airbill No:
Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	Matthew Ellis	10.17.13,	17:35	RErigli, TA Syr	10.17.13,	17:3
2	RErigli	10.17.13,	19:00		10/18/13	0920
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 # : 30402
Canton Facility

Client ENSAFE INC. Site Name CARRIER

Cooler Received on 18OCT13 Opened on 18OCT13 Cooler unpacked by:

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

TestAmerica Cooler # CLIENT 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. 3.2 °C	Corrected Cooler Temp. 3.2 °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

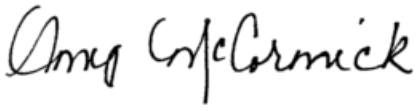
ANALYTICAL REPORT

Job Number: 240-30670-1

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

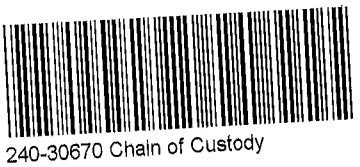
Lab Sample ID:	240-30670-1	Analysis Batch:	240-108226	Instrument ID:	H1
Client Matrix:	Water	Prep Batch:	240-107851	Lab File ID:	110113B-HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	11/01/2013 1615	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	10/31/2013 1525				
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		