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August 29, 2014

Submitted via e-mail on August 29, 2014

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

Re: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index CO 7-20051118-4
NYSDEC Site Registry Number: 734043
Corrective Measures Update Site-wide Groundwater Monitoring Report, June 2014

Dear Ms. Blum:

In accordance with the referenced order, Carrier Corporation is providing one hard copy and one electronic copy (PDF via email) of the Corrective Measures Update Site-wide Groundwater Monitoring Report.

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

Sincerely,

EnSafe Inc.

By: May Mishu Heflin, PE

Enclosure: Corrective Measures Update Site-wide Groundwater Monitoring Report, June 2014

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

**CORRECTIVE MEASURES UPDATE
SITE-WIDE GROUNDWATER MONITORING REPORT
JUNE 2014**

**CARRIER THOMPSON ROAD FACILITY
CARRIER PARKWAY
SYRACUSE, NEW YORK**

**EnSafe Project Number
0888815668**

Revision: 0

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

Prepared for:



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

Prepared by:



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August 2014

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1.0 INTRODUCTION

EnSafe Inc. was retained by United Technologies Corporation Remediation Shared Services to perform the annual Site-wide groundwater monitoring event at the Carrier Corporation (Carrier) Thompson Road facility in Syracuse, New York (Site). The annual Site-wide groundwater monitoring is in response to New York State Department of Environmental Conservation (NYSDEC) Consent Order (CO) 7-20051118-4 (order) response letter dated May 23, 2008, in which the NYSDEC approved the October 2007 Groundwater Monitoring Report with the exception of a recommendation of further monitoring and delineation. Carrier was directed to further evaluate and delineate seasonal variations in water levels and contaminant concentrations in the groundwater system at the Site. A Corrective Measures Study Work Plan, Site-Wide Groundwater Monitoring Plan (EnSafe, 2008) for groundwater sampling was submitted for review to the NYSDEC as part of the CO update on August 22, 2008. NYSDEC issued comments to the Site-Wide Monitoring Plan in a letter dated March 4, 2009. A revised Site-Wide Monitoring Plan was submitted on April 3, 2009, and subsequently approved by NYSDEC. The monitoring plan requires annual sampling of the monitoring well network at the Site in June of each year.

The Site is at the intersection of Carrier Parkway (New York State Route 298) and Thompson Road in Syracuse, New York, south of the New York State Thruway Interchange 35 and immediately southeast of Carrier Circle (Figure 1).

Groundwater monitoring wells were installed during previous investigations conducted at the Carrier Thompson Road facility. Most onsite monitoring wells have been sampled annually since 1999, although several have been sampled since 1989. Previous groundwater monitoring and investigation reports have documented additions and/or deletions to the monitoring well network at the Site over time, as well as adjustments (i.e., extensions) to monitoring wells resulting from campus redevelopment activities in recent years. Additions to the existing monitoring well network at the Site since the June 2013 Site-Wide groundwater monitoring event are listed in Table 1 below. In addition to the CO monitoring wells, 36 monitoring wells and piezometers listed in Table 1, which did not contain light non-aqueous phase liquid (LNAPL), were sampled during June 2014 field activities in order to assess current conditions of groundwater across the Site. Four additional piezometers from the April 2013 *Basin 001 Soil And Groundwater PCB Assessment* were also sampled during the June 2014 groundwater monitoring event.

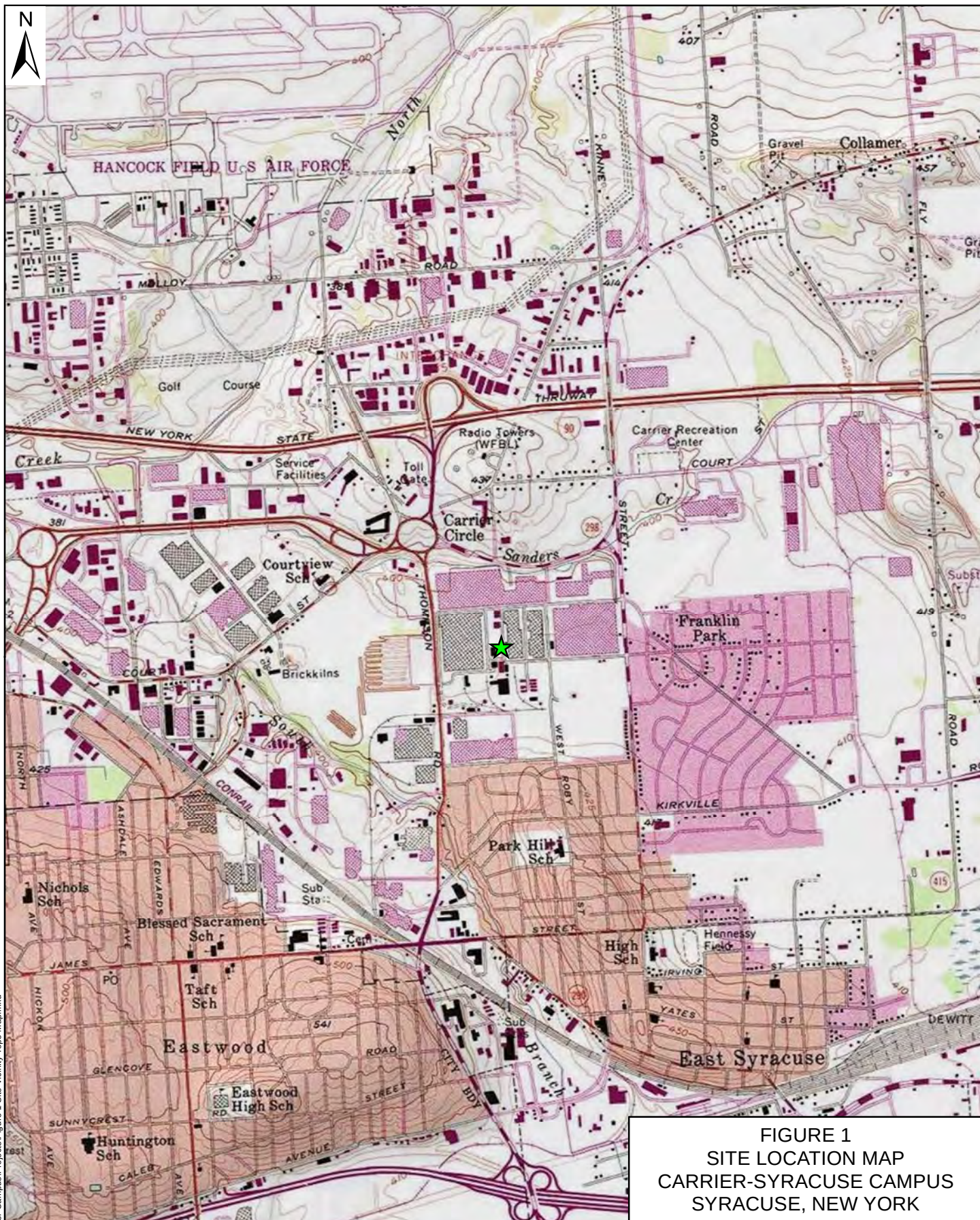


FIGURE 1
SITE LOCATION MAP
CARRIER-SYRACUSE CAMPUS
SYRACUSE, NEW YORK

Legend

★ SITE LOCATION

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

Basemap Source: USGS Godwin, Tennessee Quadrangle Topographic Map
http://services.arcgis.com/arcgis/services/USA_Top_Maps
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REQUESTED BY: S. Goodnight

DRAWN BY: N. Rinehart

08/15/2013

PROJECT NO: 0888814015

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Table 1
Additions to Monitoring Well Network Since June 2013

Location	Investigation Area	Total Depth (feet bgs)	Location	Investigation Area	Total Depth (feet bgs)
Former Building TR-1 Investigations (Vault, Floor Drain, Degreaser C/D, Sub-Station I) – October 2013					
MW23	Vault	18	MW39	Floor Drain	21
MW24	Vault	16.8	MW40D	Floor Drain	44
MW25	Sub-Station I	21	FDPZ01	Floor Drain	21
MW26	Sub-Station I	21	FDPZ02	Floor Drain	21
MW27	Sub-Station I	21	FDPZ03	Floor Drain	16
MW28	Sub-Station I	21	FDPZ04	Floor Drain	16
MW29	Sub-Station I	21	DCDPZ01	Degreaser C/D	21
MW30	Degreaser C/D	21	DCDPZ02	Degreaser C/D	21
MW31	Degreaser C/D	21	DCDPZ03	Degreaser C/D	14
MW32	Degreaser C/D	21	DCDPZ04	Degreaser C/D	16
MW33	Degreaser C/D	21	SSIPZ01	Sub-Station I	18
MW34	Degreaser C/D	21	SSIPZ02	Sub-Station I	16
MW35D	Degreaser C/D	54	SSIPZ03	Sub-Station I	16
MW36	Floor Drain	21	SSIPZ04	Sub-Station I	16
MW37	Floor Drain	21	SSIPZ05	Sub-Station I	21
MW38	Floor Drain	15			
Parking Lot R Investigation – October 2013					
MW41D	Parking Lot R	53	MW47	Parking Lot R	20
MW42	Parking Lot R	18.5	MW48	Parking Lot R	20
MW43	Parking Lot R	20	MW49	Parking Lot R	19
MW44	Parking Lot R	20	MW50	Parking Lot R	20
MW45	Parking Lot R	15	PLR001	Parking Lot R	20
MW46	Parking Lot R	20	PLR002	Parking Lot R	20
Manhole 3 (MH3) Oil Source Investigation – May 2014					
MW51	MH3/SWTB	25	PLR057	MH3/SWTB	20
MW52	MH3/SWTB	16	PLR058	MH3/SWTB	20
MW53	MH3/SWTB	15	PLR060	MH3/SWTB	20
MW54	MH3/SWTB	20	PLR061	MH3/SWTB	20
PLR056	MH3/SWTB	20	PLR063	MH3/SWTB	20

bgs = below ground surface

MH3 = Manhole 3

SWTB = Storm Water Treatment Building



Historical soil and groundwater sample results and findings for locations listed in Table 1 are presented and summarized in separate reports prepared by EnSafe and submitted to NYSDEC as follows:

- *Former Building TR-1 Vault Investigation*, March 28, 2014;
- *Former Building TR-1 Floor Drain Investigation*, March 31, 2014;
- *Former Building TR-1 Degreaser C/D and Sub-Station I Investigation*, March 31, 2014;
- *Parking Lot R Investigation*, April 4, 2014;
- *Manhole 3 (MH3) Oil Source Investigation*, July 15, 2014.



2.0 GROUNDWATER MONITORING

The following monitoring wells were sampled during June 2014 groundwater monitoring activities:

- Fifteen of the sixteen CO groundwater monitoring wells were sampled in accordance with the revised Site-Wide Groundwater Monitoring Plan (Figures 2, 3, and 4);
 - o Monitoring well MW13D2 was not sampled as it was paved over during resurfacing activities in June 2014;
 - o Groundwater samples collected from each location were submitted for analysis of volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (U.S. EPA) SW-846 Method 8260B in accordance with the Site-Wide Groundwater Monitoring Plan;
- Monitoring wells from the former Building TR-1, Parking Lot R, and MH3 Oil Source Investigations were sampled in order to assess current conditions of groundwater across the Site (see Table 1 in Section 1.0 and Figures 2, 3, and 4);
 - o Piezometers installed during the former Building TR-1 investigations were not sampled during June 2014 groundwater monitoring activities (Figure 3).
 - o Piezometers installed during the Parking Lot R and MH3 Oil Source investigations were also sampled during June 2014 groundwater monitoring activities in order to further assess groundwater potentially impacted by VOCs (Figure 4);
 - o Groundwater samples collected from each location were submitted for analysis of VOCs using U.S. EPA SW-846 Method 8260B in accordance with the Site-Wide Groundwater Monitoring Plan;
 - o Based on findings of previous investigations, groundwater samples collected from select monitoring well and piezometer locations from the former Building TR-1, Parking Lot R, and MH3 Oil Source investigations were also submitted for polychlorinated bi-phenyl (PCB) and/or total petroleum hydrocarbons — diesel range organics (TPH-DRO) and oil range organics (TPH-ORO) via U.S. EPA SW-846 Methods 8082A and 8015C respectively.

All groundwater samples obtained during the June 2014 Site-wide monitoring event were submitted for analysis via overnight courier to Test America Laboratories, in North Canton, Ohio, a NYSDEC-approved analytical laboratory. EnSafe personnel Mike Crawford and Mike Gragg collected field measurements and groundwater samples for laboratory analysis from June 19 to June 30, 2014.

2.1 Potentiometric Data

Potentiometric data was collected in monitoring wells screened in both shallow and deep groundwater aquifers during the June 2014 Site-wide groundwater monitoring event. Depth to groundwater was measured using an electronic water level indicator on June 17 and 18, 2014, prior to purging and sampling activities. Depth to groundwater measurements, potentiometric surface elevations, and LNAPL observations for Site monitoring wells and piezometers are summarized in Table 2. Groundwater depths were then used to calculate groundwater potentiometric surface elevations and construct shallow and deep potentiometric surface maps for the Site (Figure 5 and Figure 6, respectively). Potentiometric data indicates groundwater in the shallow aquifer generally flows northward at the Site towards Sanders Creek. Previous gauging data also indicate flow in a northerly direction, but with a stronger influence of the storm lines, as historically demonstrated from data collected at 29 former shallow piezometers at the Site. Despite the lack of potentiometric data from these previously abandoned piezometers, it is still believed that the storm water sewer system influences groundwater flow direction along the facility's main storm water trunk lines to the north.

A summary of historical groundwater elevations for existing Site monitoring wells and piezometers is included in Appendix A.

Potentiometric surface elevations were measured in on-site monitoring wells MW03D, MW14D, MW16D, MW22D, MW35D, MW40D, and MW41D (Table 2). In order to further evaluate deep groundwater flow across the Site, additional water level measurements from deep groundwater aquifer monitoring wells TR9D, TR25D, and TR26D at the Thompson Road Parking Lot AOC G Area (west of Thompson Road), which are constructed with 10-foot well screens installed immediately above the bedrock surface, were used to supplement data from the on-site deep groundwater aquifer monitoring wells. Depth to groundwater measurements and potentiometric surface elevations for Thompson Road Parking Lot AOC G Area deep groundwater aquifer monitoring wells are summarized in Table 3. Deep potentiometric surface data collected during the June 2014 event indicates deep groundwater aquifer flow direction is to the west/northwest (Figure 6). This groundwater flow direction is similar to patterns observed during previous annual groundwater monitoring events. Deep groundwater flow appears to be influenced by the deepening overburden-bedrock interface toward the west.



2.2 Light Non-aqueous Phase Liquid

As was observed in previous Site-wide annual groundwater monitoring events, an oil-like substance was observed on the water level indicator while collecting the water level measurement at monitoring well MW20 during the June 2014 Site-wide monitoring event; however, no measureable LNAPL was detected by an oil/water interface probe. A disposable bailer was used to obtain groundwater from monitoring well MW20 and while LNAPL was observed on the outside of the bailer (oil appears to be coating the upper-most portion of the interior well casing) no LNAPL was observed on the groundwater.

LNAPL was observed in monitoring wells MW31, and MW33 and piezometers DCDPZ01, DCDPZ04, and SSIPZ04 associated with the Degreaser C/D and Sub-Station I areas of the former Building TR-1 Investigation. LNAPL ranged from 0.01 to 1.34 feet thick in this area. Piezometers PLR001, associated with the Parking Lot R Investigation, and PLR063, associated with the MH3 Oil Source Investigation, yielded observations of LNAPL measured at 0.13 and 0.05 feet thick respectively.



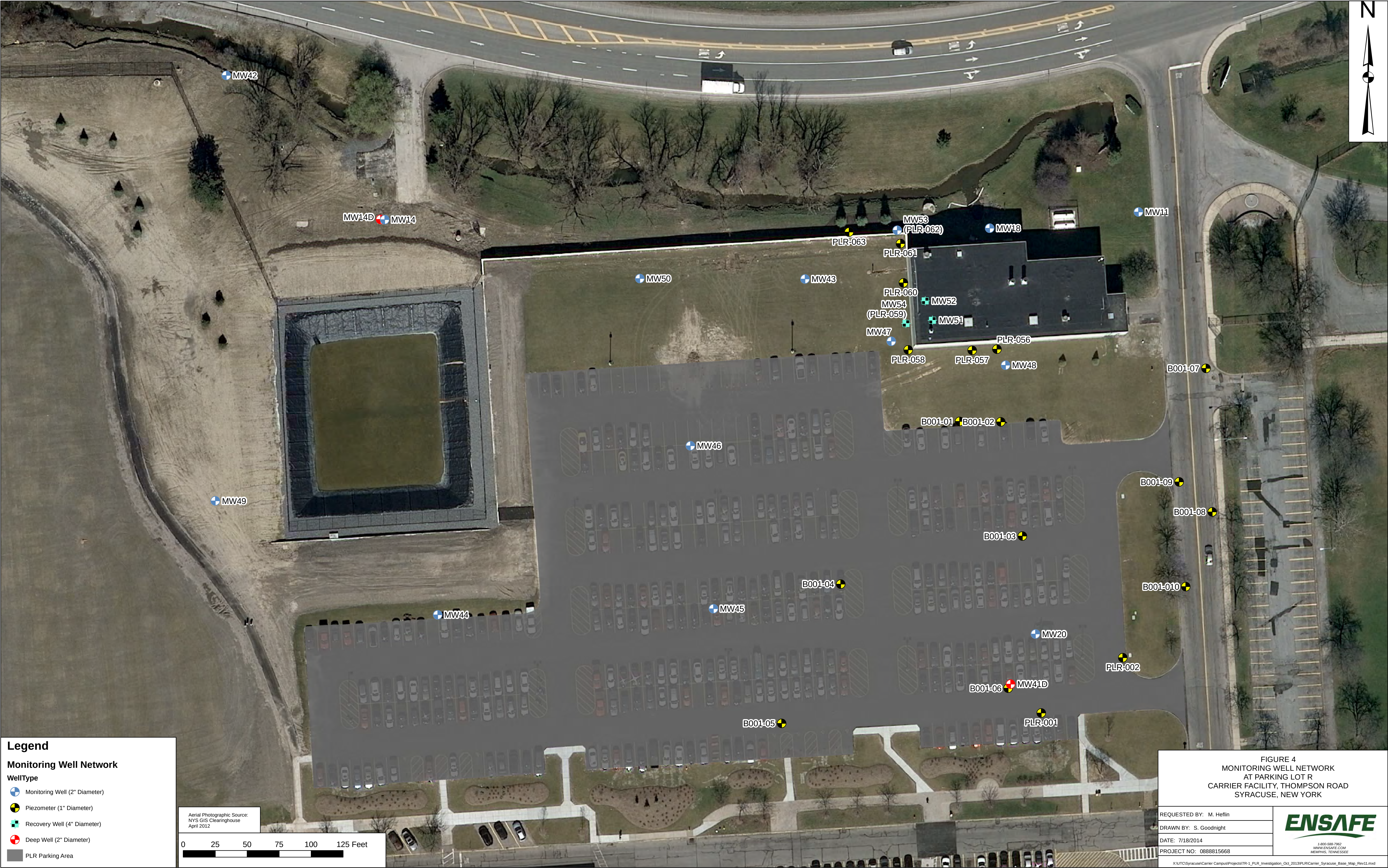
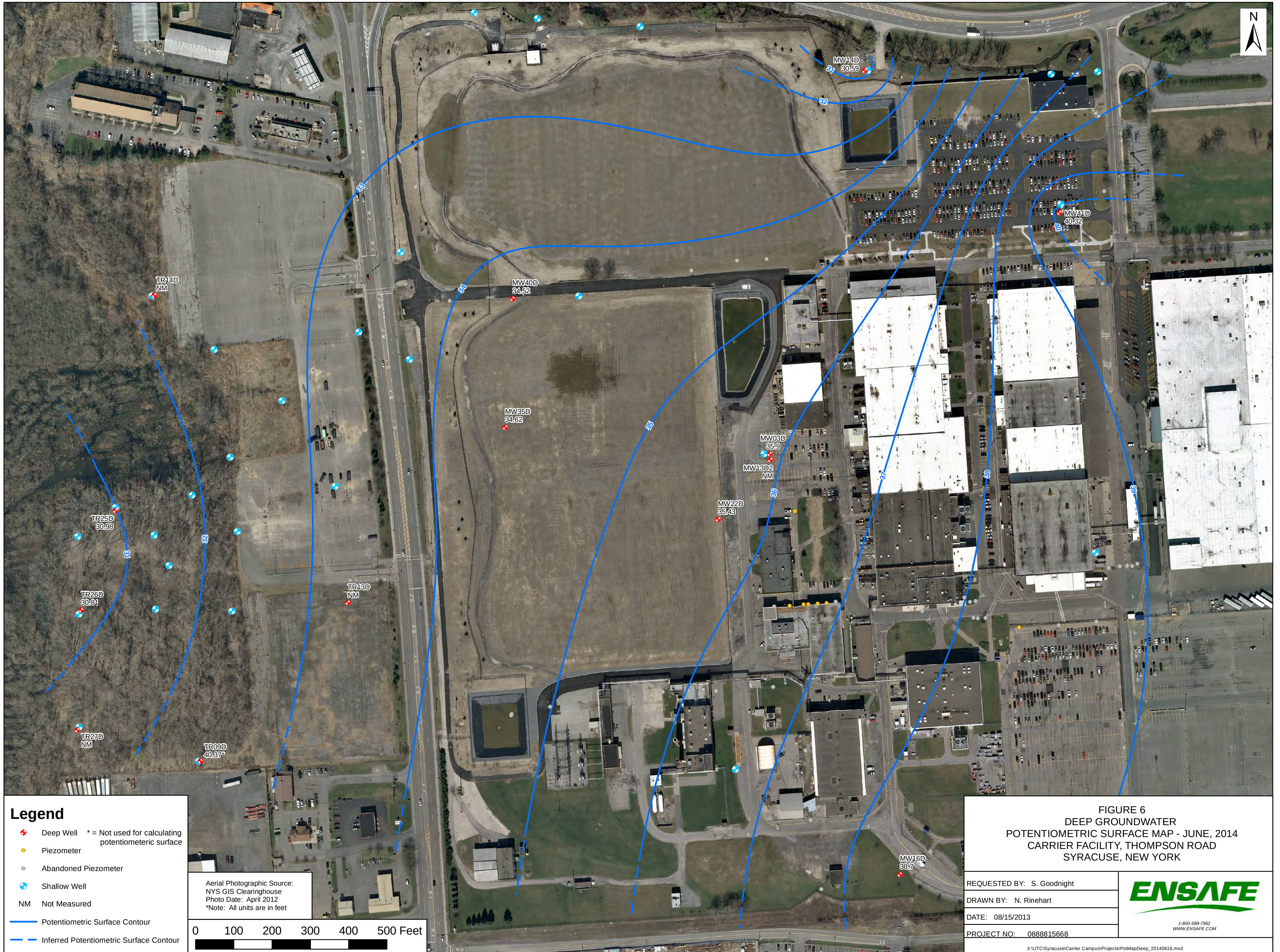


Table 2
Summary of Monitoring Well Construction
and Potentiometric Measurement Data - June 2014
Carrier Corporation Thompson Road Facility
Syracuse, New York

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
Consent Order Monitoring Well Network							6/16-17/2014			
MW03S	See Site Map	14.32	14.32	2	3 - 13	43.13	NA	6.82	NA	36.31
MW05R	See Site Map	14.60	14.60	2	4.25 - 14.25	35.4	NA	3.85	NA	31.55
MW06	See Site Map	16.88	16.88	2	5 - 15	44.8	NA	11.22	NA	33.58
MW08*	See Site Map	14.78	14.78	2	10.00	42.59	NA	5.56	NA	37.03
MW09	See Site Map	17.20	17.20	2	5 - 15	44.79	NA	7.26	NA	37.53
MW10	See Site Map	17.54	17.54	2	7.25-17.25	41.38	NA	8.59	NA	32.79
MW11*	See Site Map	16.00	16.00	2	4 - 16	40.82	NA	7.27	NA	33.55
MW14	See Site Map	27.06	27.06	2	17 - 27	42.19	NA	6.39	NA	35.8
MW17	See Site Map	14.99	14.99	2	10 - 15	35.61	NA	8.17	NA	27.44
MW18	See Site Map	14.50	14.50	2	9.5 - 14.5	36.3	NA	7.72	NA	28.58
MW19	See Site Map	18.13	18.13	2	8 - 18	43.31	NA	9.43	NA	33.88
MW20	See Site Map	15.75	15.75	2	5.75 - 15.75	42.69	NA	5.56	NA	37.13
MW21	See Site Map	14.31	14.31	2	4.25 - 14.5	41.11	NA	11.81	NA	29.3
MW03D	See Site Map	29.62	29.62	2	22 - 27	44.23	NA	8.33	NA	35.9
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	11.68	NA	30.59
MW16D	See Site Map	45.10	45.10	2	35 - 45	44.72	NA	6.02	NA	38.7
MW22D	See Site Map	54.60	54.60	2	44.5 - 55.5	45.14	NA	9.71	NA	35.43
Basin 001 Storm Line Piezometers							6/16-17/2014			
B001-01	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	12.06	NA	Not Surveyed
B001-02	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	10.21	NA	Not Surveyed
B001-03	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	3.98	NA	Not Surveyed
B001-04	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	11.08	NA	Not Surveyed
B001-05	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	11.69	NA	Not Surveyed
B001-06	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	4.39	NA	Not Surveyed
B001-07	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NA	5.58	NA	Not Surveyed
B001-08	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NA	5.28	NA	Not Surveyed
B001-09	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NA	8.58	NA	Not Surveyed
B001-10	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	8.41	NA	Not Surveyed
B001-11	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	8.65	NA	Not Surveyed
B001-12	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	7.88	NA	Not Surveyed
B001-13	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	10.35	NA	Not Surveyed
B001-14	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	8.34	NA	Not Surveyed
B001-15	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	10.31	NA	Not Surveyed
B001-16	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	10.98	NA	Not Surveyed
Former TR-1 Monitoring Well Network							6/16-17/2014			
MW23	TR-1 Vault	12	18	2	10	42.13	NA	8.74	NA	33.39
MW24	TR-1 Vault	16	16.8	2	10	43.17	NA	9.07	NA	34.10
MW25	TR-1 SSI	16	21	4	15	44.84	---	---	---	---
MW26	TR-1 SSI	16	21	2	15	45.24	NA	9.33	NA	35.91
MW27	TR-1 SSI	16	21	2	15	44.78	NA	8.74	NA	36.04
MW28	TR-1 SSI	16	21	2	15	44.74	NA	7.98	NA	36.76
MW29	TR-1 SSI	16	21	4	15	44.78	NA	8.04	NA	36.74
MW30	TR-1 Degreaser	16	21	4	15	45.67	NA	10.37	NA	35.30
MW31	TR-1 Degreaser	16	21	2	15	45.05	10.12	10.15	0.03	34.92
MW32	TR-1 Degreaser	16	21	2	15	45.26	NA	7.9	NA	37.36
MW33	TR-1 Degreaser	16	21	2	15	45.30	10.35	10.41	0.06	34.93
MW34	TR-1 Degreaser	16	21	2	15	45.32	NA	10.11	NA	35.21
MW35D	TR-1 Degreaser	59	54	2	15	45.92	NA	11.3	NA	34.62
MW36	TR-1 Floor Drain	16	21	4	15	46.25	NA	12.21	NA	34.04
MW37	TR-1 Floor Drain	16	21	2	15	45.33	NA	11.1	NA	34.23
MW38	TR-1 Floor Drain	15	15	2	10	43.04	NA	9.33	NA	33.71
MW39	TR-1 Floor Drain	16	21	2	15	45.46	NA	11.35	NA	34.11
MW40D	TR-1 Floor Drain	44	44	2	15	42.95	NA	8.43	NA	34.52
FDPZ01	TR-1 Floor Drain	16	21	1	15	45.82	NA	11.64	NA	34.18
FDPZ02	TR-1 Floor Drain	16	21	1	15	47.04	NA	13.53	NA	33.51
FDPZ03	TR-1 Floor Drain	16	16	1	10	45.37	NA	11.27	NA	34.10
FDPZ04	TR-1 Floor Drain	16	16	1	10	45.99	NA	11.97	NA	34.02
DCDPZ01	TR-1 Degreaser	16	21	1	15	45.87	NA	10.41	0.01	35.46
DCDPZ02	TR-1 Degreaser	16	21	1	15	45.59	NA	10.67	NA	34.92
DCDPZ03	TR-1 Degreaser	16	14	1	8	45.82	NA	10.57	NA	35.25
DCDPZ04	TR-1 Degreaser	16	16	1	10	45.95	10.17	10.79	0.62	35.61
SSIPZ01	TR-1 SSI	16	18	1	10	45.04	NA	8.17	NA	36.87
SSIPZ02	TR-1 SSI	16	16	1	10	45.00	NA	7.94	NA	37.06
SSIPZ03	TR-1 SSI	16	16	1	10	45.42	NA	9.94	NA	35.48
SSIPZ04	TR-1 SSI	16	16	1	10	45.07	7.64	8.98	1.34	37.07
SSIPZ05	TR-1 SSI	21	21	1	15	44.57	NA	8.20	NA	36.37
Parking Lot R Monitoring Well Network							6/16-17/2014			
MW41D	PLR	53	53	2	15	42.82	NA	2.5	NA	40.32
MW42	PLR	20	18.5	2	15	35.16	NA	7.52	NA	27.64
MW43	PLR	20	20	2	15	43.70	NA	12.8	NA	30.90
MW44	PLR	12	20	2	15	43.04	NA	6.17	NA	36.87
MW45	PLR	12	15	2	10	42.72	NA	7.63	NA	35.09
MW46	PLR	12	20	2	15	42.72	NA	7.82	NA	34.90
MW47	PLR	17	20	2	15	43.60	NA	11.00	NA	32.60
MW48	PLR	20	20	2	15	43.92	NA	12.45	NA	31.47
MW49	PLR	20	19	2	9	46.25	NA	10.97	NA	35.28
MW50	PLR	20	20	2	15	43.86	NA	11.81	NA	32.05
PLR001	PLR	12	20	1	15	Not Surveyed	6.14	6.27	0.13	Not Surveyed
PLR002	PLR	12	20	1	15	Not Surveyed	NA	7.77	NA	Not Surveyed
MH3 Oil Source Investigation Monitoring Well Network							6/16-17/2014			
MW51	MH3/SWTB	25	25	4	5-25	Not Surveyed	NA	12.75	NA	Not Surveyed
MW52	MH3/SWTB	13.5	16	4	5-13.5	Not Surveyed	NA	8.77	NA	Not Surveyed
MW53	MH3/SWTB	20	15	2	4-15	Not Surveyed	NA	7.06	NA	Not Surveyed
MW54	MH3/SWTB	20	20	4	8-20	Not Surveyed	NA	12.38	NA	Not Surveyed
PLR056	MH3/SWTB	20	20	1	8-20	Not Surveyed	NA	12.76	NA	Not Surveyed
PLR057	MH3/SWTB	20	20	1	8-20	Not Surveyed	NA	12.77	NA	Not Surveyed
PLR058	MH3/SWTB	20	20	1	8-20	Not Surveyed	NA	11.81	NA	Not Surveyed
PLR060	MH3/SWTB	20	20	1	8-20	Not Surveyed	NA	12.21	NA	Not Surveyed
PLR061	MH3/SWTB	20	20	1	8-20	Not Surveyed	NA	13.07	NA	Not Surveyed
PLR063	MH3/SWTB	20	20	1	8-20	Not Surveyed	7.86	7.91	0.05	Not Surveyed

= 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
* Monitoring wells gauged but not considered part of the Consent Order Network
NA = Not Applicable





Legend

- Deep Well * = Not used for calculating potentiometric surface
- Piezometer
- Abandoned Piezometer
- Shallow Well
- NM Not Measured
- Potentiometric Surface Contour
- Inferred Potentiometric Surface Contour

Aerial Photographic Source:
NYS GIS Clearinghouse
Photo Date: April 2012
*Note: All units are in feet



FIGURE 6
DEEP GROUNDWATER
POTENTIOMETRIC SURFACE MAP - JUNE, 2014
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY: S. Goodnight
DRAWN BY: N. Rinehart
DATE: 08/15/2013
PROJECT NO: 0888815668

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X:\UTC\Syracuse\Carrier Campus\Projects\PotMapDeep_20140616.mxd

Table 3
AOC G Deep Groundwater Aquifer
Potentiometric Data
Corporation Thompson Road Facility
Syracuse, New York

Well ID	Date Measured	TOC Elevation	DTW BTOC	Groundwater Elevation	Groundwater Elev. SYR Datum
Deep Groundwater Zone					
TR09D	6/27/2011	410.80	16.01	394.79	32.79
	6/14/2012		NM	NM	NM
	8/15/2012		18.54	392.26	30.26
	6/10/2013		16.15	394.65	32.65
	6/18/2014		8.43	402.37	40.37
TR13D	6/27/2011	405.40	12.00	393.40	31.40
	6/14/2012		13.03	392.37	30.37
	8/15/2012		NM	NM	NM
	6/10/2013		11.97	393.43	31.43
	6/18/2014		NM	NM	NM
TR14D	6/27/2011	404.24	7.78	396.46	34.46
	6/14/2012		9.39	394.85	32.85
	8/15/2012		10.59	393.65	31.65
	6/10/2013		8.08	396.16	34.16
	6/18/2014		NM	NM	NM
TR25D	6/27/2011	406.62	12.59	394.03	32.03
	6/14/2012		13.96	392.66	30.66
	8/15/2012		15.23	391.39	29.39
	6/10/2013		12.70	393.92	31.92
	6/18/2014		13.64	392.98	30.98
TR26D	6/27/2011	410.42	16.52	393.90	31.90
	6/14/2012		NM	NM	NM
	8/15/2012		NM	NM	NM
	6/10/2013		16.51	393.91	31.91
	6/18/2014		17.61	392.81	30.81
TR27D	6/27/2011	412.84	19.14	393.70	31.70
	6/14/2012		20.3	392.54	30.54
	8/15/2012		21.57	391.27	29.27
	6/10/2013		19.16	393.68	31.68
	6/18/2014		NM	NM	NM

Notes:

TOC = Top of Casing Elevation Datum

DTW = Depth to Water Below Top of Casing

NM = Not Measured due to inaccessibility

2.3 Sampling Activities

After collecting depth-to-groundwater measurements, each monitoring well and/or piezometer was purged using low flow sampling techniques. During purging activities, water quality parameters (pH, conductivity, temperature, turbidity, dissolved oxygen, and oxygen-reduction potential) were recorded using a Horiba U-22. Purge water quality measurements are tabulated on well purging record forms in Appendix B. Each of the shallow monitoring wells was purged using a peristaltic pump and sampled for VOCs using the “soda straw” method; after sampling for VOCs, the peristaltic pump was then used to pump groundwater for additional analyses (select locations) into the appropriate containers. Deep groundwater aquifer wells (MW3D, MW14D, MW16D, MW22D, MW35D, MW40D, and MW41D) were purged using an electronic submersible pump. Monitoring well MW13D2 was not sampled due to being paved over during resurfacing activities in June 2014. Monitoring well MW13D2 is in the process of being repaired and redeveloped; it will be sampled upon completion of repairs and results shall be forwarded to NYSDEC.

Groundwater samples were collected in laboratory-supplied 40-milliliter glass vials, preserved with hydrochloric acid, from each sample location and analyzed for VOCs using U.S. EPA SW-846 Method 8260B. Additional groundwater from select monitoring wells and piezometers associated with the Parking Lot R and MH3 Oil Source investigations was collected in two 1-liter amber glass jars and analyzed for PCBs and/or TPH-DRO and TPH-ORO using USEPA SW-846 Methods 8082A and 8015C respectively.

2.4 Groundwater Laboratory Analytical Results

Groundwater laboratory analytical results were compared to December 2006 NYSDEC-DER 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (NYCRR Part 703 Groundwater Quality Standards). While groundwater is not used as a potable water source at the facility or within the immediate surrounding vicinity, NYSDEC drinking water limits have been established as the comparative standard for the Carrier Thompson Road facility. Laboratory analytical results for groundwater samples collected during June 2014 Annual Site-Wide Groundwater Monitoring activities reported several VOCs, PCBs, and TPH constituents at concentrations greater than laboratory method detection and/or reporting limits. These concentrations are summarized in Table 4; reported concentrations which exceed their respective NYCRR Part 703 Groundwater Quality Standards are highlighted in yellow.

Laboratory analytical reports for samples collected during June 2014 Annual Site-Wide Groundwater Monitoring activities are included in Appendix C. A tabulated summary of historical laboratory analytical results for the Consent Order monitoring well network as well as previously existing monitoring wells is provided in Appendix D. Graphs depicting concentrations versus time for select shallow groundwater aquifer monitoring wells within the Consent Order network which are impacted by VOCs are presented in Appendix E.

Table 4
Laboratory Analytical Detections in Groundwater Samples
June 2014 Site-Wide Groundwater Monitoring
Carrier Corporation Thompson Road Facility
Syracuse, New York

Sample Location:			MW03D	MW03S	MW05R	MW06	MW09	MW10	MW14	MW14D	MW16D	MW17
Sample ID:			MW03DWG063014	MW03SWG063014	MW5RWG062714	MW6WG062714	MW9WG063014	MW10WG062714	MW14WG062714	MW14DWG070114	MW16DWG063014	MW17WG062714
Sample Date:			06/30/2014	06/30/2014	06/27/2014	06/27/2014	06/30/2014	06/27/2014	06/27/2014	07/01/2014	06/30/2014	06/27/2014
Sample Type:			N	N	N	N	N	N	N	N	N	N
Matrix:			WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
Analyte	NYSDEC GROUNDWATER SCREENING LIMIT(a)	Units	Consent Order Monitoring Well Network									
Volatile Organic Compounds - 8260												
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ug/l	1.3	11	ND	ND	0.82 J	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ug/l	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)		ug/l	ND	100	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ug/l	ND	650	ND	ND	ND	ND	ND	ND	1.4 J	ND
Benzene	1	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	41 a	390	ND	ND	0.43 J	ND	ND	ND	ND	ND
Ethylbenzene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ug/l	ND	7.7 J	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether		ug/l	ND	ND	ND	ND	ND	4.5	ND	ND	ND	ND
Methylene chloride	5	ug/l	ND	3.8 JB	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ug/l	ND	ND	ND	ND	ND	ND	0.15 J	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ug/l	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ug/l	0.48 J	29	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Bi-phenyls - 8082												
Aroclor 1248	0.09	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	0.09	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	0.09	ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons - 8015												
TPH-Oil Range Organics (C28-C40)		ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH-Diesel Range Organics (C10-C28)		ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

µg/L = micrograms per liter.
ND = Non-detect.
NA = Sample not analyzed for analyte.
a = December 2006 NYSDEC 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations.
Highlighted cell indicates exceedance of standard.
J = Result is less than the method reporting limit but greater than method detection limit.
B = Analyte was detected in both the sample and the blank sample.



Table 4
Laboratory Analytical Detections in Groundwater Samples
June 2014 Site-Wide Groundwater Monitoring
Carrier Corporation Thompson Road Facility
Syracuse, New York

			Sample Location:					MW23	MW24	MW26	MW27	MW28
Sample ID:			MW18WG062714	MW19WG062714	MW20WG063014	MW21WG062714	MW22DWG063014	MW23WG062614	MW24WG062614	MW26WG062514	MW27WG062514	MW28WG062514
Sample Date:			06/27/2014	06/27/2014	06/30/2014	06/27/2014	06/30/2014	06/26/2014	06/26/2014	06/25/2014	06/25/2014	06/25/2014
Sample Type:			N	N	N	N	N	N	N	N	N	N
Matrix:			WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
Analyte	NYSDEC GROUNDWATER SCREENING LIMIT(a)	Units	Consent Order Monitoring Well Network					Former TR-1 Monitoring Well Network				
Volatile Organic Compounds - 8260												
1,1,1-Trichloroethane	5	ug/l	6.5 J	ND	ND	ND	ND	190 J	ND	ND	2	1.6 J
1,1-Dichloroethane	5	ug/l	9.8 J	ND	86	ND	ND	270	140 J	2.5	23	15
1,1-Dichloroethene	5	ug/l	4.5 J	ND	4.1	ND	ND	94 J	77 J	0.67 J	4.2	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	0.84 J	ND	1.2 J
2-Butanone (MEK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND	ND	ND	ND	ND	1.6	ND	3
Chloroethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	0.71 J	ND
Chloroform	7	ug/l	ND	ND	0.56 J	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	300	ND	13	0.56 J	ND	8,000	6,000	5	15	59
Ethylbenzene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ug/l	5.5 JB	ND	2.3 JB	ND	ND	88 JB	210 B	ND	ND	1.3 JB
Styrene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	0.33 J	ND	1.2 J
Toluene	5	ug/l	ND	ND	ND	ND	ND	140 J	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	2.9 J	ND	0.87 J	ND	ND	ND	ND	0.19 J	0.67 J	0.49 J
Trichloroethene	5	ug/l	370	0.87 J	20	0.26 J	ND	660	100 J	7	74	78
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND
Vinyl chloride	2	ug/l	12	ND	ND	0.41 J	ND	570	44 J	4.3	4.6	ND
Xylene (Total)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Bi-phenyls - 8082												
Aroclor 1248	0.09	ug/l	NA	NA	NA	NA	NA	0.04 J	ND	ND	ND	ND
Aroclor 1254	0.09	ug/l	NA	NA	NA	NA	NA	0.051 J	ND	0.039 J	ND	ND
Aroclor 1260	0.09	ug/l	NA	NA	NA	NA	NA	ND	ND	ND	ND	0.061
Petroleum Hydrocarbons - 8015												
TPH-Oil Range Organics (C28-C40)		ug/l	100 JB	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH-Diesel Range Organics (C10-C28)		ug/l	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

µg/L = micrograms per liter.

ND = Non-detect.

NA = Sample not analyzed for analyte.

a = December 2006 NYSDEC 6 NYCRR Part 703 Surface Water and Groundwater

Standards and Groundwater Effluent Limitations.

Highlighted cell indicates exceedance of standard.

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

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

Table 4
Laboratory Analytical Detections in Groundwater Samples
June 2014 Site-Wide Groundwater Monitoring
Carrier Corporation Thompson Road Facility
Syracuse, New York

Sample Location:			MW29	MW30	MW31	MW32	MW34	MW35D	MW37	MW38	MW39	MW40D
Sample ID:			MW29WG062514	MW30WG062614	MW31WG062614	MW32WG062514	MW34WG062614	MW35DWG062614	MW37WG062614	MW38WG062614	MW39WG062614	MW40DWG062614
Sample Date:			06/25/2014	06/26/2014	06/26/2014	06/25/2014	06/26/2014	06/26/2014	06/26/2014	06/26/2014	06/26/2014	06/26/2014
Sample Type:			N	N	N	N	N	N	N	N	N	N
Matrix:			WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
Analyte	NYSDEC GROUNDWATER SCREENING LIMIT(a)	Units	Former TR-1 Monitoring Well Network									
Volatile Organic Compounds - 8260												
1,1,1-Trichloroethane	5	ug/l	1.8 J	ND	ND	13	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ug/l	12	8.7	21	190	11	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ug/l	1.7 J	0.24 J	0.94 J	12	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	0.34 J	ND	1 J	0.43 J	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	0.15 J	ND	ND	0.25 J	ND	ND	ND	ND	ND
2-Butanone (MEK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ug/l	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ug/l	ND	1.4	ND	7.3	ND	ND	ND	ND	ND	ND
Chloroethane	5	ug/l	ND	1.1	3.7	3.1 J	1.8	ND	ND	0.1D	ND	ND
Chloroform	7	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	27	7.8	19	110	3.3	ND	870 J	1.1	37	ND
Ethylbenzene	5	ug/l	ND	0.52 J	0.44 J	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ug/l	3.7 JB	ND	0.72 JB	4.3 JB	ND	ND	2100 JB	ND	3.5 JB	ND
Styrene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	0.36 J	0.64 J	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ug/l	ND	0.2 J	0.4 J	3.3 J	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	0.58 J	1.4 J	1.6 J	0.67 J	ND	ND	ND	1.2 J	ND
Trichloroethene	5	ug/l	390	9.6	76	42	2.1	ND	68,000	7.6	100	ND
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	10	ND	ND
Vinyl chloride	2	ug/l	2.2 J	7.1	3.6	39	3.5	ND	ND	ND	1.6 J	ND
Xylene (Total)		ug/l	ND	0.41 J	0.38 J	ND	0.23 J	ND	ND	ND	ND	ND
Polychlorinated Bi-phenyls - 8082												
Aroclor 1248	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	0.047 J	ND	ND
Aroclor 1254	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND
Aroclor 1260	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	0.036 J	ND	ND
Petroleum Hydrocarbons - 8015												
TPH-Oil Range Organics (C28-C40)		ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH-Diesel Range Organics (C10-C28)		ug/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4
Laboratory Analytical Detections in Groundwater Samples
June 2014 Site-Wide Groundwater Monitoring
Carrier Corporation Thompson Road Facility
Syracuse, New York

Sample Location:			MW41D	MW42	MW43	MW44	MW45	MW46	MW47	MW48	MW49	MW50	PLR002
Sample ID:			MW41DWG062414	MW42WG062414	MW43WG062414	MW44WG062414	MW45WG062414	MW46WG062414	MW47WG062314	MW48WG062414	MW49WG062414	MW50WG062314	PLR002WG062414
Sample Date:			06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/24/2014	06/23/2014	06/24/2014	06/24/2014	06/23/2014	06/24/2014
Sample Type:			N	N	N	N	N	N	N	N	N	N	N
Matrix:			WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
Analyte	NYSDEC GROUNDWATER SCREENING LIMIT(a)	Units	Parking Lot R Monitoring Well Network										
Volatile Organic Compounds - 8260													
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND	3.1	ND	ND	ND	ND	0.73 J	ND	ND
1,1-Dichloroethane	5	ug/l	ND	ND	ND	4	ND	0.35 J	ND	ND	3.6	ND	23 J
1,1-Dichloroethene	5	ug/l	ND	ND	ND	0.19 J	ND	ND	ND	ND	0.81 J	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ug/l	ND	1.1 J	ND	1.5 J	2.1 J	3.7 J	ND	ND	ND	ND	ND
Benzene	1	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND	0.16 JB	ND	0.35 JB	ND	ND	ND	ND	ND
Chloroethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ug/l	ND	ND	ND	0.36 J	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	ND	0.7 J	21	1.6	2.1	2.7	ND	900	1.5	ND	100
Ethylbenzene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ug/l	ND	1.6 B	11 B	1.4 B	ND	1.2 B	ND	ND	ND	ND	ND
Styrene	5	ug/l	ND	ND	ND	ND	ND	0.11 J	ND	ND	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND	ND	ND	0.54 J	ND	ND	43	ND	ND	ND
Trichloroethene	5	ug/l	ND	0.59 J	400	15	33	2.1	ND	500	2.3	0.18 J	2,000
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	0.76 J	ND	14 J
Xylene (Total)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Bi-phenyls - 8082													
Aroclor 1248	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.09	ug/l	ND	ND	ND	0.061	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.09	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Petroleum Hydrocarbons - 8015													
TPH-Oil Range Organics (C28-C40)		ug/l	NA	NA	220 J	NA	400 JH	3,900	360 J	NA	NA	NA	NA
TPH-Diesel Range Organics (C10-C28)		ug/l	NA	NA	570	NA	670 H	6,600	1,900	NA	NA	NA	NA

µg/L = micrograms per liter.
ND = Non-detect.
NA = Sample not analyzed for analyte.
a = December 2006 NYSDEC 6 NYCRR Part 703 Surface Water and Groundwater Standards and Groundwater Effluent Limitations.
Highlighted cell indicates exceedance of standard.
J = Result is less than the method reporting limit but greater than method detec
B = Analyte was detected in both the sample and the blank sample.



Table 4
Laboratory Analytical Detections in Groundwater Samples
June 2014 Site-Wide Groundwater Monitoring
Carrier Corporation Thompson Road Facility
Syracuse, New York

			Sample Location:		MW51	MW52	MW53	MW54/PLR059	PLR056	PLR057	PLR058	PLR060	PLR061	PLR063
			Sample ID:		MW51WG062014	MW52WG062014	MW53WG062014	PLR059WG061914	PLR056WG062014	PLR057WG062014	PLR058WG061914	PLR060WG062014	PLR061WG062014	PLR063WG062014
			Sample Date:		06/20/2014	06/20/2014	06/20/2014	06/19/2014	06/20/2014	06/20/2014	06/19/2014	06/20/2014	06/20/2014	06/20/2014
			Sample Type:		N	N	N	N	N	N	N	N	N	N
			Matrix:		WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
Analyte	NYSDEC GROUNDWATER SCREENING LIMIT(a)	Units	MH3 Oil Source Investigation											
Volatile Organic Compounds - 8260														
1,1,1-Trichloroethane	5	ug/l	5.9	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	ND	ND
1,1-Dichloroethane	5	ug/l	8.9	ND	ND	ND	ND	1.1 J	0.19 J	2.9	ND	ND	ND	ND
1,1-Dichloroethene	5	ug/l	2.4	ND	ND	ND	ND	1.2 J	ND	0.6 J	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)		ug/l	ND	ND	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND
2-Hexanone		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ug/l	ND	ND	ND	2.8 J	ND	1.7 J	23	3.2 J	ND	ND	23 J	23 J
Benzene	1	ug/l	ND	ND	ND	ND	ND	ND	ND	0.22 J	ND	ND	ND	ND
Carbon disulfide	60	ug/l	0.27 JB	8.4 JB	ND	2.1	ND	0.39 JB	0.29 JB	0.56 JB	ND	ND	ND	ND
Chloroethane	5	ug/l	0.56 J	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND
Chloroform	7	ug/l	0.79 J	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	50	1,300	7,100	1.4	150	0.26 J	ND	0.59 J	17,000	310	310	310
Ethylbenzene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether		ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ug/l	2.9 B	71 B	ND	0.92 JB	7.5 B	1.4 B	0.5 JB	1.6 B	490 JB	5.2 JB	5.2 JB	5.2 JB
Styrene	5	ug/l	ND	ND	ND	ND	ND	0.11 J	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ug/l	ND	ND	ND	0.32 J	0.52 J	0.13 J	0.25 J	0.35 J	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	1.2 J	ND	ND	ND	7	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ug/l	77	ND	ND	4.3	310	0.59 J	ND	16	64,000	64,000	64,000	64,000
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ug/l	ND	ND	740	ND	4.9	ND	ND	ND	ND	ND	44	44
Xylene (Total)		ug/l	ND	ND	ND	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Bi-phenyls - 8082														
Aroclor 1248	0.09	ug/l	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.09	ug/l	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	5	5
Aroclor 1260	0.09	ug/l	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Petroleum Hydrocarbons - 8015														
TPH-Oil Range Organics (C28-C40)		ug/l	ND	730	520	690	NA	190 J	12,000	240 J	210 J	100,000	100,000	100,000
TPH-Diesel Range Organics (C10-C28)		ug/l	ND	3,100	1,100	2,700	NA	450 J	31,000	280 J	570	630,000	630,000	630,000

µg/L = micrograms per liter.
ND = Non-detect.
NA = Sample not analyzed for analyte.
a = December 2006 NYSDEC 6 NYCRR Part 703 Surface Water and Groundwater Standards and Groundwater Effluent Limitations.
Highlighted cell indicates exceedance of standard.
J = Result is less than the method reporting limit but greater than method detec
B = Analyte was detected in both the sample and the blank sample.



Table 4
Laboratory Analytical Detections in Groundwater Samples
June 2014 Site-Wide Groundwater Monitoring
Carrier Corporation Thompson Road Facility
Syracuse, New York

Sample Location:			B00101	B00102	B00103	B00106
Sample ID:			B00101WG062514	B00102WG062514	B00103WG062514	B00106WG062514
Sample Date:			06/25/2014	06/25/2014	06/25/2014	06/25/2014
Sample Type:			N	N	N	N
Matrix:			WG	WG	WG	WG
Analyte	NYSDEC GROUNDWATER SCREENING LIMIT(a)	Units	Basin 001 Storm Line Piezometers			
Volatile Organic Compounds - 8260						
1,1,1-Trichloroethane	5	ug/l	ND	ND	ND	3.7
1,1-Dichloroethane	5	ug/l	ND	ND	ND	36
1,1-Dichloroethene	5	ug/l	ND	ND	ND	2.5
1,2-Dichlorobenzene	3	ug/l	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ug/l	ND	ND	ND	ND
2-Butanone (MEK)		ug/l	ND	ND	5.5 J	ND
2-Hexanone		ug/l	ND	ND	1.1 J	ND
4-Methyl-2-Pentanone (MIBK)		ug/l	ND	ND	2.1 J	ND
Acetone	50	ug/l	ND	ND	29	4.2 J
Benzene	1	ug/l	ND	ND	ND	ND
Carbon disulfide	60	ug/l	ND	ND	ND	ND
Chloroethane	5	ug/l	ND	ND	ND	3.4
Chloroform	7	ug/l	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/l	0.21 J	ND	ND	1.5
Ethylbenzene	5	ug/l	ND	ND	ND	ND
Methyl acetate		ug/l	ND	ND	ND	ND
Methyl tert-butyl ether		ug/l	ND	ND	ND	ND
Methylene chloride	5	ug/l	ND	ND	ND	ND
Styrene	5	ug/l	ND	ND	ND	ND
Tetrachloroethene	5	ug/l	ND	ND	ND	ND
Toluene	5	ug/l	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ug/l	ND	ND	0.23 J	ND
Trichloroethene	5	ug/l	4.2	19	0.97 J	5.6
Trichlorofluoromethane	5	ug/l	ND	ND	ND	ND
Vinyl chloride	2	ug/l	ND	ND	ND	1.3
Xylene (Total)		ug/l	ND	ND	ND	ND
Polychlorinated Bi-phenyls - 8082						
Aroclor 1248	0.09	ug/l	NA	NA	NA	NA
Aroclor 1254	0.09	ug/l	NA	NA	NA	NA
Aroclor 1260	0.09	ug/l	NA	NA	NA	NA
Petroleum Hydrocarbons - 8015						
TPH-Oil Range Organics (C28-C40)		ug/l	NA	NA	NA	NA
TPH-Diesel Range Organics (C10-C28)		ug/l	NA	NA	NA	NA

µg/L = micrograms per liter.
ND = Non-detect.
NA = Sample not analyzed for analyte.
a = December 2006 NYSDEC 6 NYCRR Part 703 Surface Water and Groundwater
Standards and Groundwater Effluent Limitations.
Highlighted cell indicates exceedance of standard.
J = Result is less than the method reporting limit but greater than method detec
B = Analyte was detected in both the sample and the blank sample.



3.0 CONCLUSIONS AND FUTURE MONITORING ACTIVITIES

3.1 Conclusions

The June 2014 Site-wide Groundwater Monitoring Event yielded groundwater flow directions generally consistent with historically observed flow directions. Potentiometric data indicates that shallow groundwater generally flows northward at the Site towards Sanders Creek. Previous monitoring events indicate the direction of shallow groundwater is strongly influenced by the storm water sewer system. June 2014 potentiometric surface data indicates the general groundwater flow direction within the deep groundwater aquifer is to the west/northwest. Deep groundwater flow appears to follow the deepening overburden-bedrock interface towards the west.

LNAPL was observed in monitoring wells MW31 and MW33 and piezometers DCDPZ01, DCDPZ04, and SSIPZ04 associated with the Degreaser C/D area of the former Building TR-1 Investigation. LNAPL ranged from 0.01 to 1.34 feet thick in this area. Piezometers PLR001, associated with the Parking Lot R Investigation, and PLR063, associated with the MH3 Oil Source Investigation, yielded observations of LNAPL measured at 0.13 and 0.05 feet thick respectively. Observations of LNAPL at the Site will continue to be monitored and any significant changes will be documented in future monitoring reports.

3.1.1 Consent Order Monitoring Well Laboratory Analytical Results

Laboratory analytical results for the June 2014 Site-wide Groundwater Monitoring event reported several VOC analytes greater than NYSDEC drinking water screening limits in groundwater samples from four of the Consent Order monitoring wells — MW03D, MW03S, MW18, and MW20. The June 2014 laboratory analytical results indicated detectable VOC constituent concentrations decreased in groundwater samples obtained from monitoring wells MW03D (with the exception of cis-1,2-dichloroethene [cis-1,2-DCE]), MW03S, and MW20 relative to results from the previous event (June 2013). A groundwater sample obtained during June 2014 monitoring event from monitoring well MW18 yielded detections of similar VOC analytes with slight concentration increases compared to the previous monitoring event. This represents a continuation of the increasing trend identified in the statistical analysis conducted as part of the June 2013 Annual Site-wide Groundwater Monitoring event with regard to monitoring well MW18.

Six of the VOC analyte concentrations in the June 2014 groundwater sample from MW18 exceeded their respective NYSDEC groundwater screening standard. While the groundwater TCE concentration for this monitoring well continues to yield an increasing trend, the June 2014 concentration (370 micrograms per liter [µg/L]) is within the observed historical range and below the calculated average TCE concentration in monitoring well MW18.

A review of historical laboratory analytical results for the groundwater monitoring network at the Site indicates a consistent lack of VOC detections in deep groundwater aquifer monitoring wells

(i.e., screened just above the bedrock interface), and for those Consent Order shallow aquifer monitoring wells impacted by VOCs, historical concentrations yield an overall long-term decreasing trend and/or generally stable results. Annual monitoring of the Consent Order monitoring well network will be conducted in June 2015.

3.1.2 Laboratory Analytical Results for Additional Locations

Laboratory analytical results for groundwater samples obtained from monitoring wells and piezometers installed during the former Building TR-1 and Parking Lot R Investigations generally yielded similar detectable concentrations of VOCs with no additional significant findings relative to those outlined in their respective investigation reports. Some variability between select VOC and TPH analyte concentrations reported for the June 2014 Groundwater Monitoring Event compared to the initial sampling conducted in May 2014 was observed for groundwater samples obtained from monitoring wells and piezometers installed during the MH3 Oil Source Investigation. Monitoring well MW53 and piezometer PLR063 yielded the most significant variability. The reported cis-1,2-DCE groundwater concentration in monitoring well MW53 decreased from 32,000 µg/L in May 2014 to 7,100 µg/L in June 2014. Likewise, the reported cis-1,2-DCE groundwater concentration in piezometer PLR063 decreased from 32,000 µg/L in May 2014 to 310 µg/L in June 2014. The June 2014 groundwater sample from PLR063 also yielded a PCB concentration of 5 µg/L for Aroclor 1254, whereas, the May 2014 groundwater sample was non-detect for PCBs. As stated in Section 2.2, oil was observed at PLR063 which may be associated with the PCB detection, as well as elevated TPH-DRO and TPH-ORO concentrations (100,000 and 630,000 µg/L respectively) compared to other locations within the MH3 Oil Source Investigation and Parking Lot R areas.

3.2 Future Monitoring Activities

Based on findings from the May 2014 MH3 Oil Source Investigation, as well as results from June 2014 Site-wide groundwater monitoring activities summarized herein, additional investigation has been proposed for the area between Sanders Creek and the north wall of the former Building TR-3. A work plan, *Former Building TR-3 North Wall Investigation*, which outlines additional monitoring well installation and resampling activities for MH3 Oil Source Investigation locations, was submitted to NYSDEC for approval on July 22, 2014. Former Building North Wall Investigation activities, tentatively scheduled for early October 2014, will be conducted following receipt of NYSDEC approval and after completion of ongoing construction activities within the Parking Lot R area at the Site.

Appendix A
Historical Potentiometric Data

= Free Product observed during event
 = Groundwater elevations calculated on previous top of casing elevation
 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
 ** Monitoring wells gauged but not considered part of the Consent Order Network
 * Not accessible due to snow and/or ice
 NA = Not Applicable

= Free Product observed during event
 = Groundwater elevations calculated on previous top of casing elevation
 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
 ** Monitoring wells gauged but not considered part of the Consent Order Network
 * Not accessible due to snow and/or ice
 NA = Not Applicable

Summary of Monitoring Well Construction
and Potentiometric Measurement Data - June 2014
Carrier Corporation Thompson Road Facility
Syracuse, New York

							[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet			
Well ID	Area	Boring TD feet bgs	Well TD feet bgs	Well Diameter Inches	Screen Length feet	Top of Casing Elevation feet																											
Consent Order Monitoring Well Network																																	
8/1/2012																																	
MW03S	See Site Map	14.32	14.32	2	3 - 13	43.13	---	7.12	---	36.01	---	6.41	---	36.72	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW05R	See Site Map	14.60	14.60	2	4.25 - 14.25	35.4	---	4.38	---	31.02	---	2.45	---	32.95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW06	See Site Map	16.88	16.88	2	5 - 15	44.8	---	12.1	---	32.7	---	10.94	---	33.86	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW08**	See Site Map	14.78	14.78	2	10.00	42.59	---	NM	---	#VALUE!	---	4.97	---	37.62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW09	See Site Map	17.20	17.20	2	5 - 15	44.79	---	8.41	---	36.38	---	6.21	---	38.58	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW10	See Site Map	17.54	17.54	2	7.25-17.25	41.38	---	9.15	---	30.51	---	8.07	---	33.31	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW11**	See Site Map	16.00	16.00	2	4 - 16	40.82	---	---	---	---	---	6.79	---	34.03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW14	See Site Map	27.06	27.06	2	17 - 27	42.19	---	12.52	---	23.69	---	10.21	---	31.98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW17	See Site Map	14.99	14.99	2	10 - 15	35.61	---	7.92	---	27.69	---	7.95	---	27.66	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW18	See Site Map	14.50	14.50	2	9.5 - 14.5	36.3	---	7.74	---	28.56	---	6.9	---	29.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW19	See Site Map	18.13	18.13	2	8 - 18	43.31	---	10.48	---	31.4	---	8.48	---	34.83	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW20	See Site Map	15.75	15.75	2	5.75 - 15.75	42.69	---	6	---	36.69	---	4.93	---	37.76	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW21	See Site Map	14.31	14.31	2	4.25 - 14.5	41.11	---	12.51	---	28.6	---	10.1	---	31.01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW03D	See Site Map	29.62	29.62	2	22 - 27	44.23	---	9.88	---	34.35	---	7.84	---	36.39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW13D2	See Site Map	55.11	55.11	2	45.09 - 55.09	41.3	---	7.97	---	33.33	---	5.49	---	35.81	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW14D	See Site Map	57.00	57.00	2	37 - 47	42.27	---	5.68	---	36.59	---	2.92	---	39.35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW16D	See Site Map	45.10	45.10	2	35 - 45	44.72	---	7.44	---	37.28	---	5.25	---	39.47	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
MW22D	See Site Map	54.60	54.60	2	44.5 - 55.5	45.14	---	11.38	---	33.76	---	9.22	---	35.92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Basin 001 Storm Line Piezometers																																	
B001-01	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-02	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-03	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-04	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-05	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-06	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-07	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-08	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-09	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-10	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-11	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-12	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-13	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-14	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-15	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
B001-16	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NI	NI	NI	NI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Former TR-1 Monitoring Well Network																																	
MW23	TR-1 Vault	12	18	2	10	42.13	NI	NI	NI	NI	NI	NI	NI	NI	NA	9.7	NA	32.43	NA	8.62	NA	33.51	NA	8.65	NA	33.48	---	---	---	---	---		
MW24	TR-1 Vault	16	16.8	2	10	43.17	NI	NI	NI	NI	NI	NI	NI	NI	NA	8.87	NA	34.30	NA	8.61	NA	34.56	NA	8.71	NA	34.46	---	---	---	---	---		
MW25	TR-1 SSI	16	21	4	15	44.84	NI	NI	NI	NI	NI	NI	NI	NI	7.58	7.85	0.27	37.19	7.26	7.74	0.48	37.45	7.63	9.18	1.55	36.79	7.04	9.14	2.1	37.23	---		
MW26	TR-1 SSI	16	21	2	15	45.24	NI	NI	NI	NI	NI	NI	NI	NI	NA	8.58	NA	36.66	NA	8.16	NA	37.08	NA	8.45	NA	36.79	NA	8.01	NA	37.23	---		
MW27	TR-1 SSI	16	21	2	15	44.78	NI	NI	NI	NI	NI	NI	NI	NI	NA	7.96	NA	36.82	NA	7.45	NA	37.33	NA	7.77	NA	37.01	NA	6.87	NA	37.91	---		
MW28	TR-1 SSI	16	21	2	15	44.74	NI	NI	NI	NI	NI	NI	NI	NI	NA	7.35	NA	37.39	NA	7.31	NA	37.43	NA	7.34	NA	37.4	NA	7.16	NA	37.58	---		
MW29	TR-1 SSI	16	21	4	15	44.78	NI	NI	NI	NI	NI	NI	NI	NI	NA	8.28	NA	36.5	NA	8.02	NA	36.76	NA	8.32	NA	36.46	NA	7.93	NA	36.85	---		
MW30	TR-1 Degreaser	16	21	4	15	45.67	NI	NI	NI	NI	NI	NI	NI	NI	NA	9.9	NA	35.77	NA	9.78	NA	35.89	NA	9.91	NA	35.76	NA	9.52	NA	36.15	---		
MW31	TR-1 Degreaser	16	21	2	15	45.05	NI	NI	NI	NI	NI	NI	NI	NI	NA	10.15	NA	34.9	NA	9.91	NA	35.14	9.95	9.96	0.01	35.10	NA	9.36	NA	35.69	---		
MW32	TR-1 Degreaser	16	21	2	15	45.26	NI	NI	NI	NI	NI	NI	NI	NI	NA	9.09	NA	36.17	NA	8.76	NA</												

Summary of Monitoring Well Construction
and Potentiometric Measurement Data - June 2014
Carrier Corporation Thompson Road Facility
Syracuse, New York

Well ID	Area	Boring TD feet bgs	Well TD feet bgs	Well Diameter Inches	Screen Length feet	[A] Top of Casing Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet	[B] Depth to Free Phase Product Below Top of Casing feet	[C] Depth to water Below Top of Casing feet	[C] - [B] Free Phase Product Thickness feet	[See Note] Groundwater Elevation feet
Consent Order Monitoring Well Network																		
12/9-10/13																		
12/23-24/2013																		
6/16-17/2014																		
NW03S	See Site Map	14.32	14.32	2	3 - 13	43.13	NA	6.31	NA	36.82	NA	6.53	NA	36.6	NA	6.82	NA	36.31
NW05R	See Site Map	14.60	14.60	2	4.25 - 14.25	35.4	NA	2.83	NA	32.57	NA	2.56	NA	32.84	NA	3.85	NA	31.55
NW06	See Site Map	16.88	16.88	2	5 - 15	44.8	NA	10.82	NA	33.98	NA	10.71	NA	34.09	NA	11.22	NA	33.58
NW08**	See Site Map	14.78	14.78	2	10.00	42.59	---	---	---	---	---	---	---	---	---	5.56	NA	37.03
NW09	See Site Map	17.20	17.20	2	5 - 15	44.79	NA	6.51	NA	38.28	NA	5.79	NA	39	NA	7.26	NA	37.53
NW10	See Site Map	17.54	17.54	2	7.25-17.25	41.38	NA	8.11	NA	33.27	NA	8.02	NA	33.36	NA	8.59	NA	32.79
NW11**	See Site Map	16.00	16.00	2	4 - 16	40.82	---	---	---	---	---	---	---	---	NA	7.27	NA	33.55
NW14	See Site Map	27.06	27.06	2	17 - 27	42.19	NA	2.88	NA	39.31	NA	10.06	NA	32.13	NA	6.39	NA	35.8
NW17	See Site Map	14.99	14.99	2	10 - 15	35.61	NA	7.98	NA	27.63	NA	7.34	NA	28.27	NA	8.17	NA	27.44
NW18	See Site Map	14.50	14.50	2	9.5 - 14.5	36.3	NA	7.35	NA	28.95	NA	6.91	NA	29.39	NA	7.72	NA	28.58
NW19	See Site Map	18.13	18.13	2	8 - 18	43.31	NA	8.54	NA	34.77	NA	8.37	NA	34.94	NA	9.43	NA	33.88
NW20	See Site Map	15.75	15.75	2	5.75 - 15.75	42.69	---	---	---	---	---	---	---	---	NA	5.56	NA	37.13
NW21	See Site Map	14.31	14.31	2	4.25 - 14.5	41.11	NA	9.76	NA	31.35	NA	8.79	NA	32.32	NA	11.81	NA	29.3
NW03D	See Site Map	29.62	29.62	2	22 - 27	44.23	NA	7.68	NA	36.55	NA	7.82	NA	36.41	NA	8.33	NA	35.9
MW13D2	See Site Map	55.11	55.11	2	45.09 - 55.09	41.3	NA	5.47	NA	35.83	NA	5.42	NA	35.88	---	---	---	---
MW14D	See Site Map	57.00	57.00	2	37 - 47	42.27	NA	10.4	NA	31.87	NA	2.61	NA	39.66	NA	11.68	NA	30.59
MW16D	See Site Map	45.10	45.10	2	35 - 45	44.72	NA	5.25	NA	39.47	NA	4.49	NA	40.23	NA	6.02	NA	38.7
MW22D	See Site Map	54.60	54.60	2	44.5 - 55.5	45.14	NA	8.98	NA	36.16	NA	9.1	NA	36.04	NA	9.71	NA	35.43
Basin 001 Storm Line Piezometers																		
B001-01	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	11.24	NA	Not Surveyed	NA	8.28	NA	Not Surveyed	NA	12.06	NA	Not Surveyed
B001-02	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	9.77	NA	Not Surveyed	NA	8.42	NA	Not Surveyed	NA	10.21	NA	Not Surveyed
B001-03	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	6.66	NA	Not Surveyed	NA	6.37	NA	Not Surveyed	NA	3.98	NA	Not Surveyed
B001-04	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	11.07	NA	Not Surveyed	NA	10.38	NA	Not Surveyed	NA	11.08	NA	Not Surveyed
B001-05	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	11.77	NA	Not Surveyed	NA	11.85	NA	Not Surveyed	NA	11.69	NA	Not Surveyed
B001-06	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	4.39	NA	Not Surveyed	4.64	4.65	0.01	Not Surveyed	NA	4.39	NA	Not Surveyed
B001-07	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NA	5.51	NA	Not Surveyed	NA	5.45	NA	Not Surveyed	NA	5.58	NA	Not Surveyed
B001-08	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NA	5.89	NA	Not Surveyed	NA	4.09	NA	Not Surveyed	NA	5.28	NA	Not Surveyed
B001-09	Basin 001 / PLR	16	14.5	1	10	Not Surveyed	NA	7.98	NA	Not Surveyed	NA	7.2	NA	Not Surveyed	NA	8.58	NA	Not Surveyed
B001-10	Basin 001 / PLR	15	14.5	1	10	Not Surveyed	NA	7.1	NA	Not Surveyed	NA	7.5	NA	Not Surveyed	NA	8.41	NA	Not Surveyed
B001-11	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	7.86	NA	Not Surveyed	---	---	---	---	NA	8.65	NA	Not Surveyed
B001-12	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	8.47	NA	Not Surveyed	---	---	---	---	NA	7.88	NA	Not Surveyed
B001-13	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	10.4	NA	Not Surveyed	NA	10.28	NA	Not Surveyed	NA	10.35	NA	Not Surveyed
B001-14	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	7.67	NA	Not Surveyed	---	---	---	---	NA	8.34	NA	Not Surveyed
B001-15	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	10.34	NA	Not Surveyed	NA	10.25	NA	Not Surveyed	NA	10.31	NA	Not Surveyed
B001-16	TR-4 & TR-5	16	14.5	1	10	Not Surveyed	NA	10.99	NA	Not Surveyed	---	---	---	---	NA	10.98	NA	Not Surveyed
Former TR-1 Monitoring Well Network																		
MW23	TR-1 Vault	12	18	2	10	42.13	NA	8.59	NA	33.54	NA	8.64	NA	33.49	NA	8.74	NA	33.39
MW24	TR-1 Vault	16	16.8	2	10	43.17	NA	8.17	NA	35	NA	8.12	NA	35.05	NA	9.07	NA	34.10
MW25	TR-1 SSI	16	21	4	15	44.84	7.15	9.37	2.22	37.09	6.65	9.52	2.87	37.42	---	---	---	---
MW26	TR-1 SSI	16	21	2	15	45.24	NA	8.1	NA	37.14	NA	7.84	NA	37.40	NA	9.33	NA	35.91
MW27	TR-1 SSI	16	21	2	15	44.78	NA	6.88	NA	37.9	---	---	---	---	NA	8.74	NA	36.04
MW28	TR-1 SSI	16	21	2	15	44.74	NA	7.11	NA	37.63	NA	6.78	NA	37.96	NA	7.98	NA	36.76
MW29	TR-1 SSI	16	21	4	15	44.78	NA	7.97	NA	36.81	NA	7.71	NA	37.07	NA	8.04	NA	36.74
MW30	TR-1 Degreaser	16	21	4	15	45.67	NA	9.47	NA	36.2	NA	9.53	NA	36.14	NA	10.37	NA	35.30
MW31	TR-1 Degreaser	16	21	2	15	45.05	NA	9.31	NA	35.74	NA	9.32	NA	35.73	10.12	10.15	0.03	34.92
MW32	TR-1 Degreaser	16	21	2	15	45.26	NA	8.5	NA	36.76	NA	8.3	NA	36.96	NA	7.9	NA	37.36
MW33	TR-1 Degreaser	16	21	2	15	45.30	NA	9.55	NA	35.75	---	---	---	---	10.35	10.41	0.06	34.93
MW34	TR-1 Degreaser	16	21	2	15	45.32	NA	9.23	NA	36.09	NA	9.17	NA	36.15	NA	10.11	NA	35.21
MW35D	TR-1 Degreaser	59	54	2	15	45.92	NA	10.56	NA	35.36	NA	10.36	NA	35.56	NA	11.3	NA	34.62
MW36	TR-1 Floor Drain	16	21	4	15	46.25	NA	11.39	NA	34.86	NA	11.3	NA	34.95	NA	12.21	NA	34.04
MW37	TR-1 Floor Drain	16	21	2	15	45.33	NA	10.58	NA	34.75	---	---	---	---	NA	11.1	NA	34.23
MW38	TR-1 Floor Drain	15	15	2	10	43.04	NA	8.67	NA	34.37	NA	8.68	NA	34.36	NA	9.33	NA	33.71
MW39	TR-1 Floor Drain	21	16	2	15	45.46	NA	10.51	NA	34.95	NA	10.37	NA	35.09	NA	11.35	NA	34.11
MW40D	TR-1 Floor Drain	44	44	2	15	42.95	NA	7.69	NA	35.26	NA	7.51	NA	35.44	NA	8.43	NA	34.52
FDP201	TR-1 Floor Drain	16	21	1	15	45.82	NA	10.98	NA	34.84	NA	10.74	NA	35.08	NA	11.64	NA	34.18
FDP202	TR-1 Floor Drain	16	21	1	15	47.04	NA	12.98	NA	34.06	---	---	---	---	NA	13.53	NA	33.51
FDP203	TR-1 Floor Drain	16	16	1	10	45.37	NA	10.37	NA	35	NA	10.27	NA	35.1	NA	11.27	NA	34.10
FDP204	TR-1 Floor Drain	16	16	1	10	45.99	NA	11.1	NA	34.89	NA	10.98	NA	35.01	NA	11.97	NA	34.02
DCDP201	TR-1 Degreaser	16	21	1	15	45.87	NA	7.08	NA	38.79	NA	6.86	NA	39.01	---	10.41	0.01	35.46
DCDP202	TR-1 Degreaser	16	21	1	15	45.59	NA	9.84	NA	35.75	NA	9.68	NA	35.91	NA	10.67	NA	34.92
DCDP203	TR-1 Degreaser	16	14	1	8	45.82	NA	9.84	NA	35.98	NA	9.71	NA	36.11	NA	10.57	NA	35.25
DCDP204	TR-1 Degreaser	16	16	1	10	45.95	10.04	10.21	0.17	35.86	10.05	10.11	0.06	35.88	10.17	10.79	0.62	35.61
SSIP201	TR-1 SSI	16	18	1	10	45.04	NA	8.04	NA	37	NA	7.92	NA	37.12	NA	8.17	NA	36.87
SSIP202	TR-1 SSI	16	16	1	10	45.00	NA	7.42	NA	37.58	NA	7.19	NA	37.81	NA	7.94	NA	37.06
SSIP203	TR-1 SSI	16	16	1	10	45.42	NA	8.55	NA	36.87	NA	7.56	NA	37.86	NA	9.94	NA	35.48
SSIP204	TR-1 SSI	16	16	1	10	45.07	7.87	7.88	0.01	37.20	7.4	10.64	3.24	36.80	7.64	8.98	1.34	37.07
SSIP205	TR-1 SSI	21	21	1	15	44.57	NA	5.31	NA	39.26	---	---	---	---	NA	8.20	NA	36.37
Parking Lot R Monitoring Well Network																		
MW41D	PLR	53	53	2	15	42.82	NA	2.12	NA	40.7								

Appendix B
Monitoring Well Purge & Water Quality Forms

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.30.14		JOB NUMBER: 15668	PHASE: 02	TASK:
PROJECT: Existing MW Network		EVENT: Site Wide G.W. Sampling		
WELL ID: MW035		LOCATION: UTC/Carrier/Syracuse		
WEATHER CONDITIONS: Clear		AMBIENT TEMP: 90°F		
REVIEWED BY:		PERSONNEL: M. Crawford		

WELL DIA: 2"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A
DEPTH TO WATER from TOC (ft.): 6.84	VOLUME PURGED (gal): 1A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 1715	FINISH: 1755
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 1.10	
	ANALYSIS: VOC'S	

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING								☐ Bailer ☒ Pump		Description:
Time (hh:mm):	1715	1726	1725	1730	1735	1740	1745	1750			
0.1* pH (units):	7.62	11.08	11.60	11.69	11.70	11.69	11.68	11.63			
3%* Conductivity (mS/cm):	1.21	3.02	3.38	3.46	3.44	3.38	3.36	3.37			
10%* Turbidity (NTU):	62.1	52.6	50.0	59.9	44.0	44.8	29.5	28.3			
10%* DO (mg/L):	Horiba 1.70	1.60	1.09	.95	.86	.85	.79	.78			
	YSI	—	—	—	—	—	—	—			
0.2 C* Temperature (C):	30.37	29.35	25.18	24.24	24.07	23.92	25.82	23.78			
+/-10* ORP (mV):	84	-91	-125	-160	-172	-173	-172	-170			
Volume Purged (gal):	—	.10	.25	.40	.60	.75	1.0	1.15			
Depth to Water (ft):	6.84	7.17	7.22	7.38	7.42	7.47	7.51	7.61			
Orion ORP:	mV N/A	N/A	N/A	P/A	N/A	N/A	N/A	N/A			
	E _h										
	Rel mV	A	A	A	A	A	A	A			

Well Goes Dry While Purging ☐

SAMPLE DATA

Sample ID		Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW035W 6063014		6.30.14	1755	3	—	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/27/14	JOB NUMBER: 01068	PHASE: 02	TASK: —
PROJECT: VTC carrier	EVENT: 2014 GW sampling		
WELL ID: MW5R	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: sunny	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gragg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 14.6	START: ~~845~~ N	FINISH:	
DEPTH TO WATER from TOC (ft.): 2.99	VOLUME PURGED (gal): A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 840	FINISH: 940	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: VOC		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING				☐ Bailor	☒ Pump	Description: 28 static-low flow					
Time (hh:mm):	845	850	855	900	905	910	915	920	925			
pH (units):	7.46	6.87	6.80	6.75	6.71	6.68	6.66	6.65	6.64			
Conductivity (mS/cm):	1.93	1.88	1.69	1.62	1.50	1.53	1.50	1.50	1.50			
Turbidity (NTU):	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
DO (mg/L):	2.18	1.80	1.66	1.51	1.35	1.23	1.12	1.06	1.03			
Temperature (C°):	18.41	17.34	16.59	16.17	16.80	17.37	17.31	17.35	17.45			
ORP (mV):	-65	-56	-58	-34	-19	-13	-15	-19	-28			
Volume Purged (gal):	N/A	1/8	1/4	1/2	1/2	5/8	3/4	7/8	1			
Depth to Water (ft):	3.16	3.22	3.25	3.25	3.20	3.18	3.22	3.22	3.23			
Orion ORP: mV												
E _H												
Rel mV												
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW5R WG 022714	6/27/14	0940	3		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-27-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Existing MW Network	EVENT: Site Wide GW Sampling		
WELL ID: MW-6	LOCATION: UTC - Carrier - Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 82°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N	FINISH: N	
DEPTH TO WATER from TOC (ft.):	VOLUME PURGED (gal): A	/A	
LENGTH OF WATER COL. (ft.): 11.19	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1050	FINISH: 1150	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	1.35	
	ANALYSIS: VOC'S		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING									☐ Bailer ☒ Pump		Description:	
Time (hh:mm):		1100	1105	1110	1115	1120	1125	1130	1135	1140	1145			
0.1* pH (units):		7.48	7.44	7.41	7.37	7.38	7.38	7.37	7.36	7.35	7.36			
3%* Conductivity (mS/cm):		.776	.754	.734	.728	.724	.722	.719	.712	.708	.704			
10%* Turbidity (NTU):		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
10%* DO (mg/L):	Horiba	.71	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	YSI	—	—	—	—	—	—	—	—	—	—			
0.2 C* Temperature (°C):		25.34	25.08	24.99	25.07	25.15	25.21	25.26	25.33	25.34	25.35			
+/-10* ORP (mV):		97	91	98	102	102	101	99	95	89	85			
Volume Purged (gal):		—	.15	.30	.45	.60	.75	.90	1.10	1.20	1.35			
Depth to Water (ft):		11.19	11.60	11.67	11.75	11.82	11.85	11.91	11.99	12.07	12.11			
Onion ORP:	mV	N	N	N	N	N	N	N	N	N	N			
	E _h													
	Rel mV													
		A	A	A	A	A	A	A	A	A	A	Well Goes Dry While Purging ☐		

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW6WG062714	6-27-14	1145	3		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-30-14	JOB NUMBER: 15668	PHASE: 02	TASK:
PROJECT: Existing Monitoring Wells	EVENT: Site Wide GW Sampling		
WELL ID: MW9	LOCATION:		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 86°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 6.93	VOLUME PURGED (gal): A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1245	FINISH: 1345	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
ANALYSIS:			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer ☒ Pump		Description:					
Time (hh:mm):	1245	1250	1255	1300	1305	1310	1315	1320	1325	1330
pH (units):	7.31	7.33	7.33	7.32	7.33	7.30	7.27	7.26	7.25	7.25
Conductivity (mS/cm):	.918	.945	.973	.935	.915	.912	.927	.936	.948	.968
Turbidity (NTU):	21.6	24.7	23.4	24.2	19.3	12.7	3.9	1.8	1.7	0.0
DO (mg/L):	Horiba	2.59	2.43	2.50	2.77	2.92	2.89	2.94	2.53	2.30
	YSI									
Temperature (°C):		21.03	22.79	22.72	22.52	22.37	22.01	22.5	22.63	22.77
ORP (mV):		135	133	128	127	127	128	126	124	123
Volume Purged (gal):			.20	.35	.50	.65	.75	.90	1.05	1.15
Depth to Water (ft):		6.93	7.28	7.35	7.44	7.52	7.65	7.74	7.87	7.92
Orion ORP:	mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E _H									
	Rel mV	A	A	A	A	A	A	A	A	A
Well Goes Dry While Purging ☐										

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW9WG063014	6.30.14	1340	3		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.27.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR1	EVENT: Site Wide GW Sampling		
WELL ID: MW-10	LOCATION: UTC-Carrier - Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 80°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 8.23	VOLUME PURGED (gal): A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 0820	FINISH: 0900	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: VOCs		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING						☐ Bailer ☒ Pump		Description:			
Time (hh:mm):	0820	0825	0830	0835	0840	0845						
0.1* pH (units):	6.97	6.97	6.96	6.95	6.95	6.94						
3%* Conductivity (mS/cm):	2.69	2.73	2.75	2.83	2.84	2.86						
10%* Turbidity (NTU):	6.7	4.0	3.0	0.5	0.9	0.9						
10%* DO (mg/L):	Horiba	2.33	1.17	0.75	0.09	0.03	0.0					
	YSI	—	—	—	—	—	—					
0.2 C* Temperature (°C):		16.98	17.10	17.40	17.69	17.67	17.71					
+/-10* ORP (mV):		22	15	12	4	2	-2					
Volume Purged (gal):		—	.15	.30	.55	.70	.90					
Depth to Water (ft):		8.23	8.97	9.14	9.21	9.43	9.58					
Orion ORP: mV		N/A	N/A	N/A	N/A	N/A	N/A					
E _h												
Rel mV		A	A	A	A	A	A					
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW10WG062714	6.27.14	0900	3	—	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

Page ___ of ___



WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/27/14	JOB NUMBER: 15608	PHASE: 02	TASK: —
PROJECT: lot-carrier	EVENT: 2014 GW Sampling		
WELL ID: MW14	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gray		
WELL DIA: 2"		WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 27.06'		START: N	FINISH: A
DEPTH TO WATER from TOC (ft.): 2.90'		VOLUME PURGED (gal): N/A	
LENGTH OF WATER COL. (ft.):		GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):		START: 1150	FINISH: 1245
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal): w/	
		ANALYSIS: VOC	

MNA FIELD RESULTS

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

N/A N/A N/A

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING									☐ Bailer	☒ Pump	Description:	peristaltic - low flow		
Time (hh:mm):		1155	1200	1205	1210	1215	1220	1225	1230	1235						
pH (units):		6.78	6.86	6.88	6.89	6.89	6.90	6.90	6.90	6.90						
Conductivity (mS/cm):		3.59	3.66	3.73	3.72	3.74	3.74	3.69	3.70	3.70						
Turbidity (NTU):		99.4	87.0	77.8	71.8	64.8	57.7	52.9	52.3	51.2						
DO (mg/L):	Horiba	4.04	1.93	1.51	1.32	1.21	1.06	0.91	0.88	0.86						
	YSI															
Temperature (C°):		22.82	22.36	22.16	21.99	21.98	21.89	22.06	22.08	22.13						
ORP (mV):		87	85	85	83	77	72	63	60	58						
Volume Purged (gal):		NA	~1/8	~1/4	~3/8	~1/2	~5/8	~3/4	~7/8	~1						
Depth to Water (ft):		4.46	5.04	5.46	5.68	5.77	6.09	6.25	6.32	6.38						
Orion ORP:	mV															
	E _H															
	Rel mV															
Well Goes Dry While Purging ☐																

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☒ Pump	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW14 WG 062714	6/27/14	1245		3		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.27.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Existing Monitoring Wells	EVENT: site wide GW sampling		
WELL ID: MW-17	LOCATION: UTC-Carrier-Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 78°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 7.78	VOLUME PURGED (gal): 4	14	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 0930	FINISH: 1030	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS:		

NINA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING		☐ Bailer ☐ Pump		Description:						
Time (hh:mm):	0930	0935	0940	0945	0950	0955	1000	1005	1010			
pH (units):	7.06	7.08	7.33	7.02	7.00	6.99	7.00	7.02	7.02			
Conductivity (mS/cm):	3.61	3.61	3.65	3.66	3.66	3.66	3.66	3.67	3.69			
Turbidity (NTU):	37.8	36.2	25.1	4.4	17.5	17.0	15.7	14.5	14.9			
DO (mg/L):	Horiba	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	YSI	—	—	—	—	—	—	—	—			
Temperature (C°):	23.35	22.71	21.03	20.97	20.93	20.95	20.84	20.61	20.49			
ORP (mV):	85	39	16	-11	-31	-32	-35	-39	-40			
Volume Purged (gal):	—	.15	.25	.35	.50	.65	.75	1.00	1.15			
Depth to Water (ft):	7.78	8.21	8.31	8.35	8.35	8.36	8.38	8.38				
Onion ORP:	mV											
	E _H											
	Rel mV											
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID		Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW17WG062714		6.27.14	1015	3		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 01/27/14	JOB NUMBER: 15668	PHASE: 02	TASK: —
PROJECT: JTL-Carrier	EVENT: 2014 GW sampling		
WELL ID: MW18	LOCATION: Synagogue, NY		
WEATHER CONDITIONS: sunny	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Grogg		

WELL DIA: 24	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 14.5'	START: N/A	FINISH: N/A
DEPTH TO WATER from TOC (ft.): 7.34'	VOLUME PURGED (gal): N/A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 1338	FINISH: 1420
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: VOC, ORO (separate C.O.C.)	

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 - low flow
Time (hh:mm):	1341	1346	1351	1356	1401	1406	1411	1416	1421			
pH (units):	7.60	7.11	6.91	6.85	6.82	6.86	6.89	6.93	6.96			
Conductivity (mS/cm):	1.32	1.33	1.29	1.32	1.42	1.69	1.79	1.84	1.90			
Turbidity (NTU):	142	122	129	119	128	117	121	116	118			
DO (mg/L):	Horiba	2.40	1.48	1.36	1.20	1.5	1.31	1.33	1.32	1.25		
	YSI											
Temperature (C°):	25.78	25.05	23.91	23.56	22.41	20.37	20.04	20.40	21.14			
ORP (mV):	-25	-38	-30	-22	-19	-19	-20	-20	-20			
Volume Purged (gal):	N/A	1/8	1/4	1/8	1/2	5/8	3/4	1	1 1/4			
Depth to Water (ft):	7.36	7.32	7.35	7.36	7.37	7.38	7.37	7.37	7.39			
Orion ORP: mV												
E _H												
Rel mV												
Well Goes Dry While Purging ☐												

SAMPLE DATA

SAMPLE DATA			☐ Bailer ☐ Pump	Description:	
Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW18 WG 062714	6/27/14	1430	4	—	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/27/14	JOB NUMBER: 151668	PHASE: 02	TASK: —
PROJECT: UTR-carrier	EVENT: 2014 GW Sampling		
WELL ID: MW19	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. Gragg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 18.13	START: 705	FINISH: A	
DEPTH TO WATER from TOC (ft.): 8.93	VOLUME PURGED (gal): N/A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 725	FINISH: 820	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: VOC		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING				☐ Baller ☒ Pump	Description: peristaltic-low flow					
Time (hh:mm):	730	735	740	745	750	755	800	805	810	815	
pH (units):	8.37	7.94	7.67	7.50	7.40	7.31	7.26	7.23	7.20	7.18	
Conductivity (mS/cm):	2.29	2.28	2.28	2.28	2.26	2.25	2.27	2.27	2.27	2.28	
Turbidity (NTU):	45.0	38.6	38.1	37.2	19.2	18.9	18.2	12.7	13.9	12.8	
DO (mg/L):	Horiba	3.94	2.61	2.22	2.06	2.00	2.20	2.02	1.79	1.72	1.71
	YSI										
Temperature (C°):	20.20	19.78	19.20	18.90	18.66	18.36	18.36	18.33	18.33	18.37	
ORP (mV):	-28	-36	-9	13	22	60	64	108	74	81	
Volume Purged (gal):	N/A	~1/8	~1/4	~3/8	~1/2	~1	~1 1/4	~1 3/8	~1 1/2	~1 5/8	
Depth to Water (ft):	9.07	9.17	9.24	9.29	9.34	9.44	9.47	9.50	9.51	9.52	
Orion ORP: mV											
E _H											
Rel mV											
Well Goes Dry While Purging ☐											

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Baller ☒ Pump	Description:
MW19WG062714	6/27/14	0820	Bottles (total to lab)	Filtered (0.45 µm)
			3	

Purgifg/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.30.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Existing MW Network	EVENT: Site Wide GW Sampling		
WELL ID: MW-20	LOCATION:		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 80°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 5.45	VOLUME PURGED (gal): N/A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 0800	FINISH: 0900	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
ANALYSIS:			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer ☒ Pump		Description:						
Time (hh:mm):	0810	0815	0820	0825	0830	0835	0840	0845	0850	0855	
0.1* pH (units):	8.72	8.00	7.73	7.54	7.49	7.45	7.37	7.34	7.32		
3%* Conductivity (mS/cm):	3.27	3.24	3.23	3.16	3.16	3.16	3.16	3.17	3.17		
10%* Turbidity (NTU):	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10%* DO (mg/L):	Horiba	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	YSI	—	—	—	—	—	—	—	—		
0.2 C* Temperature (C°):	21.85	21.91	21.89	22.63	22.35	21.79	21.94	21.98	22.06		
+/-10* ORP (mV):	87	96	99	97	95	78	74	69	69		
Volume Purged (gal):	—	.20	.35	.50	.60	.70	.75	.85	.95		
Depth to Water (ft):	5.45	5.60	5.63	5.65	5.66	5.58	5.57	5.58	5.60		
Orion ORP:	mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	E _H										
	Rel mV										
		A	A	A	A	A	A	A	A		

Well Goes Dry While Purging ☐

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW20W6 063014	6.30.14	0900	3		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/27/14	JOB NUMBER: 15668	PHASE: 02	TASK: —
PROJECT: VTC-Carrier	EVENT: 2014 GW Sampling		
WELL ID: MW21	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 80°		
REVIEWED BY:	PERSONNEL: M. Gagg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 14.21	START: N	FINISH:	
DEPTH TO WATER from TOC (ft.): 11.79	VOLUME PURGED (gal):	A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 10:10 10:20	FINISH: 11:15	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): ~3/4		
	ANALYSIS: VOC		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING	☐ Bailer ☒ Pump	Description: peristaltic-low flow
Time (hh:mm):	10:33 10:38 10:43 10:48 10:53 10:58 11:02		
pH (units):	7.52 7.05 6.95 6.88 6.83 6.82 6.80		
Conductivity (mS/cm):	1.48 1.40 1.37 1.41 1.42 1.42 1.42		
Turbidity (NTU):	32.7 34.6 37.4 37.0 26.4 25.9 26.4		
DO (mg/L): Horiba	1.41 1.17 1.06 1.05 1.05 0.99 0.98		
YSI			
Temperature (C°):	22.68 21.97 20.52 18.86 18.12 17.78 17.40		
ORP (mV):	-109 -100 -93 -88 -86 -82 -82		
Volume Purged (gal):	NA ~1/8 ~1/4 ~3/8 ~1/2 ~5/8 ~3/4		
Depth to Water (ft):	11.83 11.84 11.84 11.84 11.84 11.84 11.84		
Orion ORP: mV			
E _H			
Rel mV			
Well Goes Dry While Purging ☐			

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Description:
MW21W @ 06/27/14	6/27/14	11:15	3	—
Purging/Sampling Device Decon Process:				

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.30.17	JOB NUMBER:	PHASE:	TASK:
PROJECT: Existing MW Network	EVENT: Site Wide G.W. Sampling		
WELL ID: MW-3D	LOCATION:		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 86°		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N	FINISH: N	
DEPTH TO WATER from TOC (ft.): 8.24	VOLUME PURGED (gal): A	A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1615	FINISH: 1655	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS:		

MNA FIELD RESULTS

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

IN-SITU TESTING

[illegible]

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW 03DW G 063014	6.30.14	1655			

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 7.1.14	JOB NUMBER: 15669	PHASE: 02	TASK:
PROJECT: Existing MW Network	EVENT: Site Wide GW Sampling		
WELL ID: MW 14D	LOCATION: UTC - Carrier		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 88°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 11.24	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 0915	FINISH: 1015	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: VOC'S		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING	☐ Bailer ☒ Pump	Description:
Time (hh:mm):	0925 0930 0935 0940 0945 0950 0955 1000 1005 1010 1015		
0.1* pH (units):	8.86 8.13 7.56 7.14 7.12 7.09 7.03 6.85 6.91 6.88		
3%* Conductivity (mS/cm):	2.68 2.08 2.11 2.16 2.17 2.17 2.19 2.20 2.22 2.22		
10%* Turbidity (NTU):	2.4 9.6 60.7 30.9 29.2 24.6 22.8 12.2 11.8 12.3		
10%* DO (mg/L):	Horiba 3.54 2.57 1.85 1.52 1.58 1.52 1.39 1.30 1.24 1.16		
	YSI		
0.2 C* Temperature (C°):	26.61 24.36 23.26 22.46 22.42 22.30 22.17 22.01 21.87 22.35 22.63		
+/-10* ORP (mV):	-131 -126 -127 -127 -127 -126 -125 -123 -123 -123 -122		
Volume Purged (gal):	— — 0.25 0.45 0.60 0.75 0.90 1.00 1.30 1.45 1.53		
Depth to Water (ft):	11.24 11.72 11.94 12.0 12.30 12.38 12.47 12.70 12.80 12.86 12.92		
Onion ORP: mV	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
E _h	/ / / / / / / / / / /		
Ref mV	A A A A A A A A A A A		
	/A /A /A /A /A /A /A /A /A /A /A		Well Goes Dry While Purging ☐

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Description:
MW 14DW G070114	7.1.14	1015	3	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.30.14		JOB NUMBER:		PHASE:	TASK:
PROJECT: Existing Monitoring Wells		EVENT: Site wide GW Sampling			
WELL ID: MW 16D		LOCATION: UTC-Carrier-Syracuse			
WEATHER CONDITIONS: Clear		AMBIENT TEMP: 86°F			
REVIEWED BY:		PERSONNEL: M. Crawford			
WELL DIA: 2"		WELL DEVELOPMENT			
TOTAL DEPTH from TOC (ft.):		START: N/A		FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 5.75		VOLUME PURGED (gal): A		A	
LENGTH OF WATER COL. (ft.):		GROUNDWATER SAMPLING			
1 VOLUME OF WATER (gal):		START: 1040		FINISH: 1145	
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal):			
		ANALYSIS:			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING				☐ Bailer ☒ Pump		Description:				
Time (hh:mm):	1040	1045	1050	1055	1100	1105	1110	1115	1120	1125	1130	1135
0.1* pH (units):	7.42	7.38	6.99	6.92	6.80	6.81	6.83	6.78	6.74	6.74	6.74	6.74
3%* Conductivity (mS/cm):	1.05	1.05	1.06	1.06	1.02	1.29	1.09	1.54	1.85	2.16	2.24	2.34
10%* Turbidity (NTU):	24.5	23.6	17.8	13.9	12.7	20.3	20.5	15.1	10.1	5.4	7.4	9.3
10%* DO (mg/L):	Horiba	0.0	0.0	0.0	1.48	1.47	1.32	1.40	1.32	1.28	1.15	1.16
	YSI	—	—	—	—	—	—	—	—	—	—	—
0.2 C* Temperature (°C):	19.21	19.67	19.80	21.64	21.97	21.86	19.39	17.19	17.34	18.49	18.54	17.52
+/-10* ORP (mV):	158	156	119	105	102	92	72	-6	-21	-34	-35	-37
Volume Purged (gal):	—	.25	.50	.70	.85	1.0	1.15	1.35	1.50	1.65	1.80	2.05
Depth to Water (ft):	5.75	6.53	6.46	6.28	6.49	6.36	6.67	6.95	6.88	6.72	6.95	7.10
Orion ORP:	mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E _h											
	Rel mV											
		A	A	A	A	A	A	A	A	A	A	A

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW16DWG 063014	6.30.14	1145	3	—	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: <u>6-30-14</u>		JOB NUMBER:	PHASE:	TASK:
PROJECT: <u>Existing MW Network</u>		EVENT: <u>Site Wide GW Sampling</u>		
WELL ID: <u>MW 22 D</u>		LOCATION: <u>UTC-Carrier</u>		
WEATHER CONDITIONS: <u>Clear</u>		AMBIENT TEMP: <u>88°F</u>		
REVIEWED BY:		PERSONNEL: <u>M. Crawford</u>		
WELL DIA:		WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):		START:		FINISH:
DEPTH TO WATER from TOC (ft.): <u>9.57</u>		VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):		GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):		START: <u>1400</u>		FINISH: <u>1515</u>
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal):		
		ANALYSIS:		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING		☐ Bailer ☒ Pump		Description:							
Time (hh:mm):	<u>1415</u>	<u>1420</u>	<u>1425</u>	<u>1430</u>	<u>1435</u>	<u>1440</u>	<u>1445</u>	<u>1450</u>	<u>1455</u>	<u>1500</u>	<u>1505</u>	<u>1510</u>
pH (units):	<u>7.23</u>	<u>7.10</u>	<u>7.05</u>	<u>7.06</u>	<u>7.05</u>	<u>7.05</u>	<u>7.01</u>	<u>7.04</u>	<u>7.01</u>	<u>7.01</u>	<u>7.02</u>	<u>7.04</u>
Conductivity (mS/cm):	<u>2.38</u>	<u>2.36</u>	<u>2.39</u>	<u>2.41</u>	<u>2.42</u>	<u>2.43</u>	<u>2.41</u>	<u>2.39</u>	<u>2.37</u>	<u>2.37</u>	<u>2.45</u>	<u>2.40</u>
Turbidity (NTU):	<u>9.6</u>	<u>4.0</u>	<u>5.3</u>	<u>7.4</u>	<u>6.1</u>	<u>6.4</u>	<u>5.4</u>	<u>6.3</u>	<u>3.5</u>	<u>5.5</u>	<u>8.2</u>	<u>3.2</u>
DO (mg/L):	Horiba	<u>3.60</u>	<u>2.51</u>	<u>2.21</u>	<u>1.67</u>	<u>1.76</u>	<u>1.63</u>	<u>2.07</u>	<u>1.63</u>	<u>1.43</u>	<u>1.41</u>	<u>1.44</u>
	YSI	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Temperature (°C):		<u>22.74</u>	<u>25.81</u>	<u>24.11</u>	<u>22.41</u>	<u>21.06</u>	<u>19.82</u>	<u>21.82</u>	<u>19.99</u>	<u>21.79</u>	<u>21.27</u>	<u>20.53</u>
ORP (mV):		<u>149</u>	<u>141</u>	<u>140</u>	<u>138</u>	<u>138</u>	<u>138</u>	<u>133</u>	<u>131</u>	<u>128</u>	<u>106</u>	<u>97</u>
Volume Purged (gal):		<u>—</u>	<u>20</u>	<u>35</u>	<u>50</u>	<u>65</u>	<u>80</u>	<u>1.00</u>	<u>1.20</u>	<u>1.40</u>	<u>1.65</u>	<u>1.85</u>
Depth to Water (ft):		<u>9.57</u>	<u>13.00</u>	<u>14.10</u>	<u>15.56</u>	<u>17.12</u>	<u>17.40</u>	<u>18.55</u>	<u>20.07</u>	<u>20.36</u>	<u>21.96</u>	<u>23.90</u>
Onion ORP:	mV	<u>A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
	E _h	<u>A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
	Ref mV	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Sailer ☐ Pump	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
<u>MW 22DWG 063014</u>	<u>6-30-14</u>	<u>1515</u>		<u>3</u>	<u>—</u>	

Purging/Sampling Device Decon Process:

COMMENTS: Could not get Monsoon pump to maintain low flow - or lower flow than above range.

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____



WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/25/14	JOB NUMBER: 151608	PHASE: 02	TASK: —
PROJECT: H&C-carrier	EVENT: 2014 GW monitoring		
WELL ID: MW23	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: Mr. Gray		

WELL DIA: 2"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 18'	START: N/A	FINISH: N/A
DEPTH TO WATER from TOC (ft.): 8.71'	VOLUME PURGED (gal): N/A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 11004	FINISH: 1725
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: VOC, PCB	

MNA FIELD RESULTS

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

N/A

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING				☐ Bailer ☒ Pump	Description: <u>peristaltic - low flow</u>						
Time (hh:mm):	1612	1617	1622	1627	1632	1637	1642	1647					
pH (units):	7.16	7.08	7.02	7.03	7.05	7.06	7.05	7.04					
Conductivity (mS/cm):	1.39	1.39	1.41	1.43	1.44	1.45	1.47	1.47					
Turbidity (NTU):	0.2	12.7	19.0	21.3	22.7	22.5	22.4	22.2					
DO (mg/L):	Horiba	1.33	1.15	1.01	0.91	0.89	0.83	0.82	0.78				
	YSI												
Temperature (C°):	50.02	28.43	26.96	25.61	24.81	24.07	23.73	23.71					
ORP (mV):	-137	-132	-129	-130	-134	-136	-133	-133					
Volume Purged (gal):	NA	~1/8	~1/4	~3/8	~1/2	~5/8	~3/4	~1					
Depth to Water (ft):	9.59	9.92	10.38	10.80	11.25	11.62	11.83	11.94					
Orion ORP:	mV												
	E _H												
	Rel mV												
Well Goes Dry While Purging ☐													

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW23 W 60626014	10/26/14	1725	10		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-26-14		JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR1 Wells		EVENT: Site Wide GW Sampling		
WELL ID: MW-24		LOCATION: UTC-Carrier - Syracuse		
WEATHER CONDITIONS: Clear		AMBIENT TEMP: 82°F		
REVIEWED BY:		PERSONNEL: M. Crawford		
WELL DIA: 2'		WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):		START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 8.86		VOLUME PURGED (gal): 1A		
LENGTH OF WATER COL. (ft.):		GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):		START: 1615	FINISH: 1700	
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal):		
		ANALYSIS: PCB/VOC'S		

MNA FIELD RESULTS

FERROUS IRON	N/A	mg/L	CHLORIDE	N/A	mg/L		mg/L
SULFIDE		mg/L	ALKALINITY		mg/L		mg/L
SULFATE	1A	mg/L	CO ₂	1A	mg/L	1A	mg/L

IN-SITU TESTING

Circle one: DEVELOPMENT		SAMPLING		☐ Bailer ☒ Pump		Description:	
Time (hh:mm):	1615	1620	1625	1630	1635	1640	1645
0.1* pH (units):	7.38	7.36	7.24	7.10	7.04	7.06	7.11
3%* Conductivity (mS/cm):	1.25	1.18	1.12	1.07	1.05	1.06	1.05
10%* Turbidity (NTU):	0.0	0.1	3.8	2.7	0.0	0.0	0.0
10%* DO (mg/L):	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.2 C* Temperature (°C):	22.87	22.89	22.97	23.21	23.04	23.06	22.93
±/-10* ORP (mV):	-115	-144	-122	-97	-77	-92	-92
Volume Purged (gal):	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Depth to Water (ft):	8.86	10.23	10.51	10.84	11.28	11.67	12.07
Orion ORP: mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E _h	1A	1A	1A	1A	1A	1A	1A
Ref mV	1A	1A	1A	1A	1A	1A	1A
Well Goes Dry While Purging ☐							

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW24WG062614	6-26-14	1700	6	1	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____

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ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/25/14	JOB NUMBER: 15068	PHASE: 02	TASK: —
PROJECT: VTC-carrier	EVENT: 2014 GW sampling		
WELL ID: MW200	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gray		

WELL DIA: 2"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 21'	START: —	FINISH: —
DEPTH TO WATER from TOC (ft.): 9.26'	VOLUME PURGED (gal): —	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 1100	FINISH: 1210
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): ~1	
	ANALYSIS: VOC, PCB	

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING				☐ Bailer ☒ Pump	Description: peristaltic - low flow				
Time (hh:mm):	1105	1110	1115	1120	1125	1130	1135	1140	1145	
pH (units):	8.73	8.19	7.89	7.71	7.60	7.50	7.45	7.41	7.37	
Conductivity (mS/cm):	.908	.935	.956	.963	.967	.975	.981	.988	.991	
Turbidity (NTU):	43.10	22.7	24.7	17.9	15.3	23.9	22.1	24.8	22.0	
DO (mg/L):	Horiba	2.78	2.08	1.70	1.55	1.39	1.30	1.18	1.10	1.08
	YSI									
Temperature (C°):	21.44	19.61	18.96	18.57	18.44	18.15	18.07	18.12	18.14	
ORP (mV):	37	-45	-46	-48	-51	-55	-61	-70	-75	
Volume Purged (gal):	NA	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	
Depth to Water (ft):	9.67	7.92	10.16	10.76	10.52	10.69	10.81	10.96	11.04	
Orion ORP:	mV									
	E _H									
	Rel mV									
Well Goes Dry While Purging ☐										

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW200 WIG 062514	6/25/14	1210	CE	—	—

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.25.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR 1 wells	EVENT: Site Wide GW Sampling		
WELL ID: MW-27	LOCATION: UTC-Carrier-Syracuse		
WEATHER CONDITIONS: Rainy/Cloudy	AMBIENT TEMP: 72°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 8.53	VOLUME PURGED (gal): A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1115	FINISH: 1300	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: PCB, Voc's		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING			☐ Bailer ☒ Pump			Description:				
Time (hh:mm):	1200	1205	1210	1215	1220	1225	1230	1235	1240	1245		
0.1* pH (units):	7.50	7.32	7.37	7.40	7.40	7.50	7.46	7.47	7.39	7.49		
3%* Conductivity (mS/cm):	785	779	791	800	800	798	790	767	767	761		
10%* Turbidity (NTU):	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10%* DO (mg/L):	Horiba	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	YSI	8.4	—	—	—	—	—	—	—	—		
0.2 C* Temperature (C):	21.87	21.24	20.54	20.03	19.77	19.67	19.89	20.03	20.34	20.09		
+/-10* ORP (mV):	86	47	34	26	23	15	13	10	8	6		
Volume Purged (gal):	0.25	0.35	0.50	0.75	0.25	1.0	1.25	1.35	1.55			
Depth to Water (ft):	8.53	9.96	10.08	10.18	10.32	10.52	10.62	10.63	10.68	10.71		
Onion ORP:	mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	E _h											
	Rel mV											
	1A		1A	1A	1A	1A	1A	1A	1A	1A		

Well Goes Dry While Purging ☐

Well Goes Dry/While Purging ☐

SAMPLE DATA

☐ Bailer ☒ Pump

Description:

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW27WG062514	6.25.14	1300	6		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/25/14	JOB NUMBER: 15668	PHASE: 02	TASK: —
PROJECT: WTC-carrier	EVENT: 2014 GW sampling		
WELL ID: MW28	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gragg		
WELL DIA: 24	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 21'	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 7.90'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1333	FINISH: 1430	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): ~7/8 = 1		
ANALYSIS: VOC, PCB			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING								Description:			
Time (hh:mm):	1337	1342	1347	1352	1357	1402	1407	1412					
pH (units):	7.25	7.05	7.00	6.97	6.95	6.94	6.93	6.93					
Conductivity (mS/cm):	1.19	1.25	1.26	1.28	1.28	1.28	1.28	1.28					
Turbidity (NTU):	2.03	2.00	2.02	2.00	1.88	1.81	1.77	1.73					
DO (mg/L):	Horba	5.44	2.03	1.73	1.52	1.40	1.28	1.22	1.17				
	YSI												
Temperature (C°):		20.11	19.44	19.29	19.36	19.33	19.08	19.07	19.04				
ORP (mV):		-93	-109	-116	-121	-125	-128	-130	-131				
Volume Purged (gal):		NA	~1/8	~1/4	~1/2	~1/2	~5/8	~3/4	~7/8				
Depth to Water (ft):		8.38	8.76	9.09	9.40	9.75	10.01	10.28	10.47				
Orion ORP:	mV												
	E _H												
	Rel mV												
Well Goes Dry While Purging ☐													

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW28 WG 0025 14	6/25/14	1430	6		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/25/14	JOB NUMBER: 150608	PHASE: 02	TASK: —
PROJECT: ITC-carrier	EVENT: 2014 GW Sampling		
WELL ID: MW29	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Cloudy, 1. rain	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gragg		
WELL DIA:		WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 21	START: 1510	FINISH: 1510	
DEPTH TO WATER from TOC (ft.): 8.85'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1510	FINISH: 1630	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 184		
ANALYSIS: VOL, PCB			

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-low flow					
Time (hh:mm):	1511	1512	1521	1526	1531	1536	1541	1546	1551	1556	1601
pH (units):	7.19	7.09	7.04	7.00	6.97	6.96	6.95	6.94	6.94	6.93	6.93
Conductivity (mS/cm):	1.51	1.58	1.59	1.58	1.60	1.60	1.61	1.61	1.61	1.61	1.61
Turbidity (NTU):	394	338	327	237	190	82.7	100.0	12.8	14.3	13.4	14.4
DO (mg/L): Horiba	3.24	2.03	1.76	1.54	1.44	1.31	1.20	1.14	1.08	1.03	1.01
YSI											
Temperature (C°):	20.26	17.77	17.55	17.81	17.73	17.48	17.66	17.83	18.24	18.63	18.61
ORP (mV):	-14	-32	-34	-36	-37	-38	-39	-40	-40	-41	-41
Volume Purged (gal):	NA	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4
Depth to Water (ft):	9.05	9.18	9.24	9.28	9.28	9.29	9.27	9.27	9.27	9.27	9.27
Orion ORP: mV											
E _H											
Rel mV											
Well Goes Dry While Purging ☐											

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☒ Pump	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW29W G 062514	6/25/14	1630		6		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.26.14	JOB NUMBER: 15668	PHASE: 02	TASK:
PROJECT: Former TR1 wells	EVENT:		
WELL ID: MW 30	LOCATION:		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 66°F		
REVIEWED BY:	PERSONNEL: M. Crawford / M. Graag		
WELL DIA: 4"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 10.23	VOLUME PURGED (gal): 4	N/A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 0730	FINISH: 0900	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: PCB's / Voc's		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING											☐ Bailer ☒ Pump	Description:
Time (hh:mm):	0730	0735	0740	0745	0750	0755	0800	0805	0810	0815	0825	0830		
0.1* pH (units):	6.88	6.92	6.80	6.80	6.79	6.79	6.78	6.79	6.79	6.79				
3%* Conductivity (mS/cm):	1.64	1.62	1.67	1.67	1.66	1.66	1.66	1.65	1.65	1.65				
10%* Turbidity (NTU):	24.4	24.8	18.0	16.7	15.6	12.9	6.0	8.0	14.7	17.1				
10%* DO (mg/L):	Horiba	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	YSI													
0.2 C* Temperature (C°):		17.51	17.92	17.47	17.29	17.02	16.92	16.89	16.89	16.99	16.96			
+/-10* ORP (mV):		-81	-76	-72	-71	-69	-69	-69	-69	-70	-69			
Volume Purged (gal):			10	25	35	50	65	75	85	100	115			
Depth to Water (ft):		10.33	10.47	10.58	10.62	10.77	10.83	10.88	10.94	10.96	10.98			
Orion ORP:	mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	E _h													
	Rel mV	A	A	A	A	A	A	A	A	A	A			
														Well Goes Dry While Purging ☐

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☒ Pump	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW30WG062614	6.26.14	0830		6		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#



WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.25.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR1 Wells	EVENT:		
WELL ID: MW32	LOCATION: UTC-Corner-Syr		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 72°F		
REVIEWED BY:	PERSONNEL: M. Cowford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 7.78	VOLUME PURGED (gal): 1A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1415	FINISH: 1520	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: PCB'S/VOC'S		

MNA FIELD RESULTS

FERROUS IRON	N/A	mg/L	CHLORIDE	N/A	mg/L		mg/L
SULFIDE		mg/L	ALKALINITY		mg/L		mg/L
SULFATE	1A	mg/L	CO ₂	1A	mg/L	1A	mg/L

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING										Description:	
		1420	1425	1430	1435	1440	1445	1450	1505	1510	1515		
0.1* pH (units):		6.96	6.90	6.88	6.95	6.86	6.85	6.85	6.96	6.86	6.85		
3%* Conductivity (mS/cm):		.814	.808	.807	.804	.802	.802	.788	.799	.798	.792		
10%* Turbidity (NTU):		13.7	16.8	13.2	6.7	6.8	4.9	4.7	3.0	1.6	1.2		
10%* DO (mg/L):	Horiba	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	YSI	—	—	—	—	—	—	—	—	—	—		
0.2 C* Temperature (°C):		20.27	19.61	19.63	19.21	19.20	19.14	20.19	18.33	18.24	18.82		
+/-10* ORP (mV):		-93	-88	-82	-71	-67	-64	-63	-54	-53	-49		
Volume Purged (gal):		—	.20	.85	.45	.50	.60	.70	.80	.90	1.00		
Depth to Water (ft):		7.78	9.81	9.97	10.27	10.32	10.39	10.38	10.65	10.71	10.75		
Orion ORP:	mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	E _a												
	Rel mV												
		1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	Well Goes Dry While Purging ☐	

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW32WG-062514	6.25.14	1520	6	←	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.26.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR 1 wells	EVENT:		
WELL ID: MW-33	LOCATION:		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 70°F		
REVIEWED BY:	PERSONNEL: M. Crawford / M. Gregg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N	FINISH: N	
DEPTH TO WATER from TOC (ft.):	VOLUME PURGED (gal): A		A
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START:	FINISH:	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS:		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING	☐ Bailer ☐ Pump	Description:
Time (hh:mm):			
pH (units):			
Conductivity (mS/cm):			
Turbidity (NTU):			
DO (mg/L): Horiba			
YSI			
Temperature (°C):			
ORP (mV):			
Volume Purged (gal):			
Depth to Water (ft):			
Orion ORP: mV			
E _N			
Rel mV			
Well Goes Dry While Purging ☐			

SAMPLE DATA

			☐ Bailer ☐ Pump	Description:	
Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 μm)	Remarks

Purging/Sampling Device Decon Process:

COMMENTS:

DTW = 8.27
DTW = 8.32

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/26/14	JOB NUMBER: 150608	PHASE: 02	TASK: —
PROJECT: VTC-carrier	EVENT: 2014 GW sampling		
WELL ID: MW34	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. Gregg		
WELL DEVELOPMENT			
WELL DIA: 2"	START: N / FINISH: A		
TOTAL DEPTH from TOC (ft.): 21'	VOLUME PURGED (gal):		
DEPTH TO WATER from TOC (ft.): 9.95'	GROUNDWATER SAMPLING		
LENGTH OF WATER COL. (ft.):	START: 731	FINISH: 840	
1 VOLUME OF WATER (gal):	VOLUME PURGED (gal): ~1		
3 VOLUMES OF WATER (gal):	ANALYSIS: VOC, PCB		

MNA FIELD RESULTS

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

N/A A N/A

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING				☐ Bailor ☒ Pump		Description: <i>penstaltic-low flow</i>				
Time (hh:mm):	<i>734</i>	<i>739</i>	<i>744</i>	<i>749</i>	<i>754</i>	<i>759</i>	<i>804</i>	<i>809</i>	<i>814</i>			
pH (units):	<i>8.72</i>	<i>7.40</i>	<i>7.07</i>	<i>6.96</i>	<i>6.80</i>	<i>6.74</i>	<i>6.72</i>	<i>6.71</i>	<i>6.69</i>			
Conductivity (mS/cm):	<i>1.74</i>	<i>1.90</i>	<i>1.94</i>	<i>1.95</i>	<i>1.95</i>	<i>1.96</i>	<i>1.96</i>	<i>1.96</i>	<i>1.96</i>			
Turbidity (NTU):	<i>358</i>	<i>343</i>	<i>334</i>	<i>189</i>	<i>205</i>	<i>171</i>	<i>765</i>	<i>75.3</i>	<i>69.7</i>			
DO (mg/L):	Horiba	<i>3.93</i>	<i>2.39</i>	<i>2.01</i>	<i>1.80</i>	<i>1.67</i>	<i>1.62</i>	<i>1.67</i>	<i>1.65</i>	<i>1.70</i>		
	YSI											
Temperature (C°):	<i>19.28</i>	<i>18.06</i>	<i>17.71</i>	<i>17.59</i>	<i>17.43</i>	<i>17.36</i>	<i>17.38</i>	<i>17.33</i>	<i>17.33</i>			
ORP (mV):	<i>-100</i>	<i>-103</i>	<i>-101</i>	<i>-100</i>	<i>-99</i>	<i>-98</i>	<i>-98</i>	<i>-98</i>	<i>-97</i>			
Volume Purged (gal):	<i>NA</i>	<i>~ 1/8</i>	<i>~ 1/4</i>	<i>~ 3/8</i>	<i>~ 1/2</i>	<i>~ 5/8</i>	<i>~ 3/4</i>	<i>~ 7/8</i>	<i>~ 1</i>			
Depth to Water (ft):	<i>10.41</i>	<i>10.71</i>	<i>10.95</i>	<i>11.18</i>	<i>11.35</i>	<i>11.54</i>	<i>11.67</i>	<i>11.72</i>	<i>11.89</i>			
Orion ORP:	mV											
	E _H											
	Rel mV											
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW34 WG0602014	6/26/14	0840	10		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.26.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR1 wells	EVENT: Site wide GW Sampling		
WELL ID: MW 35D	LOCATION: UTC-Corrier-Syracuse		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 72°F		
REVIEWED BY:	PERSONNEL: M. Crawford / M. Gragg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 11.21	VOLUME PURGED (gal): 1.4		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1005	FINISH: 1100	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 1.45		
	ANALYSIS: VOC / PCB		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer ☐ Pump		Description:							
Time (hh:mm):	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1100
0.1* pH (units):	7.17	7.15	7.16	7.17	7.16	7.13	7.13	7.11	7.10	7.09	7.09	7.09
3%* Conductivity (mS/cm):	1.13	1.19	1.20	1.17	1.17	1.22	1.27	1.34	1.37	1.40	1.41	1.42
10%* Turbidity (NTU):	4.06	3.46	1.47	72.4	73.1	75.7	65.0	49.0	35.2	30.4	23.5	21.0
10%* DO (mg/L):	Horiba 22.2	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YSI											
0.2 C* Temperature (C°):	19.90	19.57	19.57	19.93	19.84	19.99	20.15	20.39	20.60	20.57	20.52	20.74
+/-10* ORP (mV):	-68	-74	-81	-84	-83	-84	-83	-86	-86	-86	-85	-85
Volume Purged (gal):		.15	.25	.35	.45	.55	.65	.75	1.00	1.15	1.25	1.90
Depth to Water (ft):	11.21	11.20	11.21	11.21	11.21	11.21	11.21	11.21	11.21	11.21	11.21	11.21
Orion ORP:	mV N	N	N	N	N	N	N	N	N	N	N	N
	E _h											
	Rel mV	A	A	A	A	A	A	A	A	A	A	A
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Description:
MW35DWG 062614	6.26.14	1100	Bottles (total to lab)	Filtered (0.45 µm)

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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1.25 start

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-26-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR1 Wells	EVENT: Site Wide Gw Sampling		
WELL ID: MW 37	LOCATION: UTC-Corridor-Syracuse		
WEATHER CONDITIONS: Partly Cloudy	AMBIENT TEMP: 70°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 11.22	VOLUME PURGED (gal): 4		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1205	FINISH: 1330	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: PCB/VOC'S		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT		SAMPLING			☐ Bailer ☒ Pump		Description:						
Time (hh:mm):		1210	1215	1220	1225	1230	1235	1240	1245	1300			
0.1* pH (units):		7.43	7.42	7.42	7.41	7.41	7.41	7.42	—	7.41			
3%* Conductivity (mS/cm):		.590	.591	.580	.578	.574	.571	.571	—	.570			
10%* Turbidity (NTU):		8.6	8.9	8.6	5.5	5.7	3.0	2.6	—	0.0			
10%* DO (mg/L):	Horiba	6.8	11.1	0.0	0.0	0.0	0.0	0.0	—	0.0			
	YSI	—	—	—	—	—	—	—	—	—			
0.2 C* Temperature (C°):		21.07	21.17	21.59	21.37	21.17	20.84	20.46	—	20.70			
+/-10* ORP (mV):		100	101	98	99	100	100	101	—	102			
Volume Purged (gal):		—	.10	.20	.35	.45	.65	.75	1.90	1.10			
Depth to Water (ft):		11.22	11.27	11.26	11.26	11.26	11.27	11.26	11.27	11.27			
Orion ORP:	mV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	E _h												
	Rel mV	A	A	A	A	A	A	A	A	A			

Well Goes Dry While Purging ☐

SAMPLE DATA

☐ Bailer ☒ Pump		Description:			
Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW37WG062614	6.26.14	1300	6	—	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 0/20/14	JOB NUMBER: 15608	PHASE: 02	TASK: —
PROJECT: VTC-carrier	EVENT: 2014 GW sampling		
WELL ID: MW38	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Sunny	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gregg		
WELL DIA: 2"		WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 21'	START: N	FINISH: A	
DEPTH TO WATER from TOC (ft.): 9.24'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.): 4'	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1401	FINISH: 1530	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
ANALYSIS: VOC, PCB			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING					☐ Bailer ☒ Pump	Description:	Prostat H2 - low flow			
Time (hh:mm):	1404	1409	1414	1419	1424	1429	1434	1439	1444	1449		
pH (units):	8.00	7.37	7.22	7.12	7.08	7.09	7.08	7.02	7.00	6.99		
Conductivity (mS/cm):	1.37	1.35	1.34	1.37	1.39	1.39	1.39	1.40	1.45	1.50		
Turbidity (NTU):	2000	1080	402	340	143	104	95.1	52.7	48.7	48.9		
DO (mg/L):	Horiba	5.13	4.00	3.78	3.80	3.55	3.38	4.37	4.52	4.92	4.86	
	YSI											
Temperature (C°):	25.43	23.72	23.18	22.89	22.93	23.00	22.90	24.19	23.92	24.25		
ORP (mV):	119	140	143	146	147	145	140	146	149	151		
Volume Purged (gal):	N/A	~1/8	~1/4	~3/8	~1/2	~5/8	~3/4	~7/8	~1	~1 1/8		
Depth to Water (ft):	9.91	10.59	10.93	11.36	11.69	11.99	12.09	12.08	12.08	12.08		
Orion ORP:	mV											
	E _H											
	Rel mV											
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW38 156082614	11/20/14	1530	12	—	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/26/14	JOB NUMBER: 15608	PHASE: 02	TASK: —
PROJECT: ITC-Carrier	EVENT: 2014 GW Sampling		
WELL ID: MW39	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. Grogg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 21'	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 11.24'	VOLUME PURGED (gal): A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1132	FINISH: 1315	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
ANALYSIS: VOL, PCB			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING				☐ Bailer	☒ Pump	Description: peristaltic-low flow						
Time (hh:mm):	1137	1142	1149	1154	1159	1204	1209	1214	1219	1224	1229	1234	1239	
pH (units):	7.35	7.19	6.45	7.18	7.11	7.10	7.05	7.02	7.01	7.01	7.01	7.03	7.06	
Conductivity (mS/cm):	1.32	1.31	1.29	1.27	1.29	1.29	1.30	1.31	1.31	1.32	1.32	1.32	1.32	
Turbidity (NTU):	0.0	933	163	76.2	77.7	77.3	70.6	63.8	47.9	35.8	21.1	22.1	21.7	
DO (mg/L):	Horiba	1.96	1.55	3.09	1.33	1.09	1.07	0.98	0.95	.88	.84	.86	0.81	
	YSI													
Temperature (C°):	24.51	23.34	23.88	22.61	22.11	21.52	21.30	21.13	20.92	20.81	20.69	20.61	20.76	
ORP (mV):	96	99	73	83	84	84	85	86	87	88	87	88	87	
Volume Purged (gal):	NA	1/8	1/4	1/8	1/2	1/8	1/4	1/8	1/4	1/8	1/4	1/8	1/2	
Depth to Water (ft):	11.29	11.28	11.27	11.27	11.28	11.27	11.28	11.28	11.28	11.28	11.28	11.28	11.28	
Orion ORP:	mV													
	E _H													
	Rel mV													
Well Goes Dry While Purging ☐														

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW39 W6062614	10/26/14	1315	10		

Purging/Sampling Device Decon Process:

COMMENTS: 1143 - stop to flush out flow through cell.
1145 - resume purging.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/25/14	JOB NUMBER: 151008	PHASE: 02	TASK: —
PROJECT: UTC-Carrier	EVENT: 2014 Gw sampling		
WELL ID: MW31	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. G. 2014		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 21'	START: N/A	FINISH: A	
DEPTH TO WATER from TOC (ft.): 10.45'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 908	FINISH: 1030	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): ~1 1/8		
	ANALYSIS: VOC, PCB		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING				☐ Bailer ☒ Pump	Description: persistence - low flow				
Time (hh:mm):	913	918	923	928	933	938	943	948	953	958
pH (units):	6.85	6.72	6.69	6.67	6.66	6.66	6.66	6.66	6.66	6.65
Conductivity (mS/cm):	2.01	2.14	2.17	2.17	2.18	2.16	2.16	2.11	2.14	2.12
Turbidity (NTU):	175	140	70.3	38.5	32.6	23.7	21.8	21.0	21.8	20.1
DO (mg/L):	Horiba 2.33	2.05	1.67	1.49	1.39	1.33	1.24	1.09	1.08	1.03
YSI										
Temperature (C°):	19.76	16.91	16.75	17.00	16.78	17.12	17.23	18.33	17.79	18.08
ORP (mV):	-52	-79	-91	-98	-104	-110	-113	-115	-117	-118
Volume Purged (gal):	NA	~1/8	~1/4	~3/8	~1/2	~5/8	~3/4	~7/8	~1	~1 1/8
Depth to Water (ft):	11.07	11.52	12.16	12.51	12.94	13.39	13.61	13.85	14.05	14.21
Orion ORP: mV										
E _H										
Rel mV										
Well Goes Dry While Purging ☐										

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW31WG0026014	6/26/14	10:30	6		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.26.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Former TR1 Wells	EVENT: Site wide GW Sampling		
WELL ID: MW 40D	LOCATION: UTC-Carrier-Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 80°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 8.25	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1415	FINISH:	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 1.0 gal.		
	ANALYSIS: PCB's / VOC's		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT ☐ SAMPLING ☒	☐ Bailer ☒ Pump	Description:
Time (hh:mm):	1415 1420 1425 1430 1435 1440 1445 1450	
0.1* pH (units):	6.76 6.76 6.76 6.75 6.75 6.74 6.73 6.74	
3%* Conductivity (mS/cm):	3.99 4.01 4.00 4.01 4.01 4.01 4.01 4.02	
10%* Turbidity (NTU):	32.5 35.4 32.4 29.2 23.9 16.8 13.3 11.6	
10%* DO (mg/L):	Horiba 6.7 2.6 0.0 0.0 0.0 0.0 0.0 0.0	
	YSI — — — — — — —	
0.2 C* Temperature (C°):	23.87 23.80 22.49 22.73 22.27 21.89 21.72 21.70	
+/-10* ORP (mV):	-28 -29 -29 -28 -27 -27 -27 -28	
Volume Purged (gal):	— 0.20 0.35 0.50 0.65 0.75 0.85 1.0	
Depth to Water (ft):	8.25 8.31 8.30 8.30 8.31 8.31 8.31 8.31	
Orion ORP: mV	N/A N/A N/A N/A N/A N/A N/A N/A	
E _h		
Rel mV	A A A A A A A A	
Well Goes Dry While Purging ☐		

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☒ Pump	Description:
MW 40DWG 062614	6-26-14	1500	Bottles (total to lab): 6	Filtered (0.45 µm): —

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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1.50 start



WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.24.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Parking Lot R Wells	EVENT: Site Wide GW Sampling		
WELL ID: MW-41D	LOCATION: UTC / Carrier / Syn		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 78°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 51.75	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 2.81	VOLUME PURGED (gal): 1.4	N/A	
LENGTH OF WATER COL. (ft.): 48.94	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal): 7.9	START: 1155	FINISH: 1310	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 4.50		
	ANALYSIS: VOC'S / PCB'S		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING				☐ Bailer ☐ Pump		Description:					
Time (hh:mm):		1215	1220	1225	1230	1235	1240	1245	1250	1255	1300	1305	1310
0.1* pH (units):		8.07	7.97	7.88	7.94	7.95	8.06	7.66	7.42	7.30	7.27	7.29	7.28
3%* Conductivity (mS/cm):		1.20	1.21	1.22	1.22	1.22	1.25	2.35	3.00	3.13	3.15	3.17	3.17
10%* Turbidity (NTU):		0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.7	17.0	32.6	41.8	42
10%* DO (mg/L):	Horiba	10.39	3.60	2.32	2.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	YSI	—	—	—	—	—	—	—	—	—	—	—	—
0.2 C* Temperature (C):		15.74	16.65	16.58	16.58	16.54	16.47	16.52	16.97	17.74	18.2	17.05	17.26
+/-10* ORP (mV):		65	48	41	40	46	45	-21	-32	-36	-35	-37	-37
Volume Purged (gal):		2.5	5.0	7.5	1.0	1.25	1.50	2.0	2.5	3.0	3.50	3.9	4.25
Depth to Water (ft):		2.81	2.91	3.06	3.18	3.19	3.19	3.19	3.19	3.19	3.19	3.21	3.21
Orion ORP:	mV	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E _h												
	Rel mV												
		A		A	A		A				A	A	A
Well Goes Dry While Purging ☐													

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Description:
MW41DWG062414	6.24.14	1310	Bottles (total to lab): 6	Filtered (0.45 µm)

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/24/14	JOB NUMBER: 0898815668	PHASE: 02	TASK: —
PROJECT: UIC-carrier	EVENT: 2014 GW Sampling		
WELL ID: MW42	LOCATION: SYRACUSE, NY		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: Gray		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 18.5'	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 7.83'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1143	FINISH: 1255	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: VOC, PCB		

sample time:
see note.

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 - low flow						
Time (hh:mm):	1149	1154	1159	1204	1209	1214	1219	1224	1229				
pH (units):	7.79	7.50	7.42	7.31	7.25	7.19	7.14	7.08	7.04				
Conductivity (mS/cm):	1.24	1.22	1.24	1.25	1.24	1.24	1.23	1.22	1.20				
Turbidity (NTU):	169	48.7	105	108	74.8	55.8	73.0	104.5	73.8				
DO (mg/L):	Horiba	3.54	2.09	1.86	1.67	1.56	1.50	1.46	1.52	1.56			
	YSI												
Temperature (C°):	19.15	17.93	18.09	18.12	18.17	18.35	18.98	19.20	19.54				
ORP (mV):	-82	-89	-91	-92	-93	-90	-81	-80	-71				
Volume Purged (gal):	NA	NA	1/2	1/2	3/8	3/8	1/4	1/4	1				
Depth to Water (ft):	8.79	9.75	10.34	11.09	11.71	12.30	12.89	13.42	14.03				
Orion ORP:	mV												
	E _H												
	Rel mV												
Well Goes Dry While Purging ☐													

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☒ Pump	Description:
MW42 WG 0602414	6/24/14		Co	

Purging/Sampling Device Decon Process:

COMMENTS: 1155 - dialed pump down due to ▽ drop. Well dry @ 1310 after collection of VOCs and 1.75 L for PCB. Will grab PLP-002 and then return to complete sampling.

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/24/14	JOB NUMBER: 0880015668	PHASE: 02	TASK:
PROJECT: LTC-carrier	EVENT: 2014 GW sampling		
WELL ID: MW43	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Cloudy, light rain	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. Grogg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): ~27'	START: 812	FINISH:	
DEPTH TO WATER from TOC (ft.): 12.83'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.): 14.2'	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal): 2.27	START: 812	FINISH: 915	
3 VOLUMES OF WATER (gal): 6.82	VOLUME PURGED (gal): 1/2 - 3/4		
ANALYSIS: VOC, PCB, TPH-DRO, TPH-ORO			

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								Description:			
Time (hh:mm):	815	820	825	830	835	840	845	850				
pH (units):	6.28	7.34	7.24	7.19	7.15	7.14	7.12	7.12				
Conductivity (mS/cm):	1.13	2.12	2.18	2.20	2.22	2.25	2.25	2.26				
Turbidity (NTU):	7.01	7.7	5.8	3.2	1.7	8.5	9.7	9.9				
DO (mg/L):	Horiba 3.92	2.92	2.47	2.10	1.99	1.86	1.76	1.71				
YSI												
Temperature (C°):	24.67	21.14	19.06	18.48	18.10	17.83	17.50	17.54				
ORP (mV):	-49	-104	-108	-110	-111	-112	-113	-114				
Volume Purged (gal):	NA	NA	NA	NA	~1/4	~1/4	~1/4 - 1/2	~1/2				
Depth to Water (ft):	13.30	13.86	14.23	14.65	15.02	15.42	15.99	16.44				
Orion ORP: mV												
E _H												
Rel mV												
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW43GW002414					
MW43WG002414	6/24/14	915	8		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/24/14	JOB NUMBER: 0200015468	PHASE: 02	TASK: —
PROJECT: UTC-Carrier	EVENT: 2014 Gw sampling		
WELL ID: MW44	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. Grogg		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 20'	START: 1012	FINISH:	
DEPTH TO WATER from TOC (ft.): 6.71	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1012	FINISH: 1110	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): ~ 3/4		
ANALYSIS: VOCs, PCBs			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING	☐ Bailer ☐ Pump	Description:
Time (hh:mm):	1016 1024 1029 1034 1039 1044		
pH (units):	10.85 7.12 7.16 7.20 7.20 7.20		
Conductivity (mS/cm):	5.79 4.55 3.97 3.73 3.68 3.70		
Turbidity (NTU):	134 47.5 21.6 9.4 9.7 10.1		
DO (mg/L):	Horiba 2.69 2.06 2.99 3.10 3.08 3.12		
YSI			
Temperature (C°):	19.93 17.54 17.22 16.49 16.56 16.63		
ORP (mV):	-122 -152 -132 -107 -94 -77		
Volume Purged (gal):	NA NA ~ 1/2 ~ 5/8 ~ 3/4 3/4		
Depth to Water (ft):	6.81 6.85 6.85 6.85 6.81 6.87		
Orion ORP: mV			
E _H			
Rel mV			
Well Goes Dry While Purging ☐			

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW44WG062414	10/24/14	1110	6		

Purging/Sampling Device Decon Process:

COMMENTS: oil residue on exterior of tubing (base), no sheen noted in groundwater or on water level meter.

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.24.14		JOB NUMBER:	PHASE:	TASK:
PROJECT: Parking lot R Wells		EVENT: Site Wide GW Sampling		
WELL ID: MW-45		LOCATION: UTC-Corner-Syr.		
WEATHER CONDITIONS: Breezy, cloudy		AMBIENT TEMP: 80°F		
REVIEWED BY:		PERSONNEL: M. Crawford		
WELL DIA: 2"		WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):		START: N	FINISH: N	
DEPTH TO WATER from TOC (ft.): 7.75		VOLUME PURGED (gal): 4		
LENGTH OF WATER COL. (ft.):		GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):		START: 1400	FINISH: 1510	
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal): 1.25		
ANALYSIS: TPH-DRO/DRO - PCB'S / VOC'S				

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING								☐ Bailer ☒ Pump	Description:
Time (hh:mm):	1400	1405	1410	1415	1420	1425	1430	1435			
0.1* pH (units):	8.39	8.37	8.47	8.61	8.50	8.48	8.60	8.82			
3%* Conductivity (mS/cm):	2.62	2.57	2.63	2.74	2.63	2.62	2.62	2.47	Clear		to
10%* Turbidity (NTU):	8.2	505	337	51	43	0.0	0.0	0.0			
10%* DO (mg/L):	Horiba	2.3	6.97	6.63	7.25	7.32	7.69	7.27	7.12		very turbid.
	YSI										
0.2 C* Temperature (°C):	20.76	21.10	21.98	22.42	22.67	21.46	21.88	22.86			
+/-10* ORP (mV):	51	53	62	62	64	64	59	52			
Volume Purged (gal):		0.15	0.25	0.35	0.45	0.50	0.75	1.00			
Depth to Water (ft):	7.75	10.09	10.72	10.63	11.06	11.15	11.20	11.14			
Onion ORP:	mV	N	N	N	N	N	N	N			
	E _a										
	Ref mV	A	A	A	A	A	A	A			
Well Goes Dry While Purging ☐											

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW45WG062414	6.24.14	1510		8		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/24/14	JOB NUMBER: 088885608	PHASE: 02	TASK: —
PROJECT: VTC-Carrier	EVENT: 2014 GW sampling		
WELL ID: MW46	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: Cloudy	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gray		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 14.105 (measured)	START: 15H	FINISH:	
DEPTH TO WATER from TOC (ft.): 8.20'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.): 6.451	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal): 1.03	START: 15H	FINISH: 1640	
3 VOLUMES OF WATER (gal): 3.10	VOLUME PURGED (gal):		
ANALYSIS: VOC, PCB, TPH-DRO, TPH-ORO			

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				☐ Baller	☒ Pump	Description: peristaltic - low flow				
Time (hh:mm):		1514	1519	1524	1529	1534	1540	1551	1552	1601	1606		
pH (units):		7.08	6.86	6.81	6.80	6.77	6.79	6.86	6.81	6.79	6.77		
Conductivity (mS/cm):		1.66	1.65	1.65	1.63	1.61	1.58	1.46	1.42	1.42	1.45		
Turbidity (NTU):		224	241	386	376	out of range	>1000	441	411	382	393		
DO (mg/L):	Horiba	1.85	1.56	1.39	1.16	0.98	0.90	1.76	1.02	0.98	1.00		
	YSI												
Temperature (C°):		26.88	24.92	24.20	24.21	25.26	25.77	25.37	25.71	24.76	22.98		
ORP (mV):		-74	-77	-81	-90	-96	-98	-45	-60	-61	-61		
Volume Purged (gal):		NA	NA	~1/8"	~1/2"	~5/8"	~3/4"	~1"	~1"	~1 1/4"	~1 3/8"		
Depth to Water (ft):		8.72	9.01	9.42	9.73	9.93	10.11	10.03	10.15	10.28	10.41		
Orion ORP:	mV												
	E _H												
	Rel mV												
Well Goes Dry While Purging ☐													

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW46WG 0602414	10/24/14	1640	8	—	

Purging/Sampling Device Decon Process:

COMMENTS: 1541 - stop to clean of flow-through cell - lots of mud.
1547 - resume pumping.

Purge water placed in drum# _____

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ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/23/14	JOB NUMBER: 089815608	PHASE: 02	TASK:
PROJECT: 2014 GW sampling	EVENT:		
WELL ID: MW47	LOCATION: Syracuse NY		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 80s		
REVIEWED BY:	PERSONNEL: M. Gagn, M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 20'	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 11.05'	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.): 8.95'	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal): 1.43	START: 1615	FINISH: 1710	
3 VOLUMES OF WATER (gal): 4.30	VOLUME PURGED (gal): 1		
ANALYSIS: VOC, PCB, ORG, DRD			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING				☐ Bailer ☒ Pump		Description:			
Time (hh:mm):	1619	1624	1629	1634	1639	1644	1649	1654	1659	
pH (units):	8.18	7.57	7.26	7.14	7.07	7.04	7.01	7.00	6.98	
Conductivity (mS/cm):	1.75	1.94	1.99	1.96	1.97	1.95	1.95	1.97	1.98	
Turbidity (NTU):	52.4	46.8	49.9	7.2	58.6	54.0	31.1	32.8	31.1	
DO (mg/L): Horiba	3.01	2.69	2.43	2.02	1.83	1.70	1.76	1.72	1.64	
YSI	—	—	—	—	—	—	—	—	—	
Temperature (C°):	25.60	20.17	20.41	20.45	20.27	20.12	19.70	19.44	19.56	
ORP (mV):	-139	-132	-127	-125	-124	-122	-120	-120	-120	
Volume Purged (gal):	NA	NA	1/4	1/4 - 1/2	1/2	3/4	1/2	3/4 - 1	1	
Depth to Water (ft):	11.76	12.71	13.12	13.38	13.64	13.87	14.07	14.30	14.44	
Orion ORP: mV										
E _H										
Rel mV										
Well Goes Dry While Purging ☐										

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW47W6062314	6/23/14	1710	8	—	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 10/23/14 - 10/24/14	JOB NUMBER: 0888815608	PHASE: 02	TASK:
PROJECT: UTC-Carrier	EVENT: 2014 GW sampling		
WELL ID: MW-4B	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy, 80's	AMBIENT TEMP: 81		
REVIEWED BY:	PERSONNEL: Crawford, Gregg		
WELL DIA: 2-in		WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 20	START: 300, 1500 (MS)	FINISH:	
DEPTH TO WATER from TOC (ft.): 13.19	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.): 10.81	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal): 1.09	START: 1500	FINISH: 1547	
3 VOLUMES OF WATER (gal): 3.27	VOLUME PURGED (gal): 3/4		
ANALYSIS: VOC's, PCB's			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING					☐ Bailer ☐ Pump		Description:			
Time (hh:mm):	1500	1512	1517	1522	1527	1532	1537	1542	1547			
pH (units):		7.11	7.05	7.04	7.04	6.96	7.02	6.97				
Conductivity (mS/cm):		2.34	2.50	2.48	2.45	2.45	2.47	2.50				
Turbidity (NTU):		792	392	190	91.9	553	249	134				
DO (mg/L):	Horiba	2.27	0.50	0.31	0.08	0.00	0.12	0.14				
	YSI	7										
Temperature (C°):		23.0	21.86	19.96	18.47	17.74	18.00	18.62				
ORP (mV):		193	195	196	187	183	179	177				
Volume Purged (gal):		NA	NA	NA	NA	NA	1/2	3/4	3/4			
Depth to Water (ft):	13.34	13.96	14.45	15.13	16.02	16.62	17.22	17.82	dry			
Orion ORP:	mV	193										
	E _H											
	Rel mV											
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW48W G0602314	10/24/14	0830	6		

Purging/Sampling Device Decon Process:

COMMENTS: dry @ 3/4 gal, let recharge prior to sample collection
Sample collected @ 0830 on 10/24/14

Purge water placed in drum# _____

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.24.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Parking Lot R Wells	EVENT: Site wide GW Sampling		
WELL ID: MW-49	LOCATION: UTC/Carrier / Syracuse		
WEATHER CONDITIONS: Rain / Clouds	AMBIENT TEMP: 75°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 2"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.):	START: N	FINISH: N
DEPTH TO WATER from TOC (ft.): 11.03	VOLUME PURGED (gal): 7	7
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 1000	FINISH: 1100
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: VOC'S / PCB'S	

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT		SAMPLING								☐ Bailer ☒ Pump		Description: Clear	
Time (hh:mm):		1000	1005	1010	1015	1020	1025	1030	1035				
0.1* pH (units):		7.35	7.54	7.61	7.60	7.60	7.62	7.62	7.64				
3%* Conductivity (mS/cm):		1.40	1.43	1.44	1.45	1.46	1.45	1.44	1.44				
10%* Turbidity (NTU):		105	40.3	59.1	5.4	5.1	0.0	0.0	0.0				
10%* DO (mg/L):	Horiba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
	YSI	—	—	—	—	—	—	—	—				
0.2 C* Temperature (C°):		21.46	20.31	19.81	19.90	18.81	18.85	18.85	18.84				
+/-10* ORP (mV):		44	-1	-24	-36	-40	-41	-41	-44				
Volume Purged (gal):		—	.25	.35	.50	.65	.75	.85	1.0				
Depth to Water (ft):		11.03	11.50	11.69	11.91	12.06	12.17	12.21	12.29				
Orion ORP: mV		N	N	N	N	N	N	N	N				
E _h													
Rel mV		A											
			A	A	A	A	A	A	A				

Well Goes Dry While Purging ☐

SAMPLE DATA

Sample ID		Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Description:	
				Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW49WG062414		2.24.14	1100	6		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

2

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.23.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Parking Lot R Wells	EVENT: Site wide GW Sampling		
WELL ID: MW 50	LOCATION: UTC/Carrier/Syracuse		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 80°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N	FINISH: A	
DEPTH TO WATER from TOC (ft.): 11.81	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1630	FINISH: 1700	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 1.0 gall		
	ANALYSIS: VOC'S / PCB'S		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING						☐ Bailer ☐ Pump	Description:	
Time (hh:mm):	1630	1635	1640	1645	1650	1655				
0.1* pH (units):	7.55	7.50	7.59	7.60	7.61	7.50				
3%* Conductivity (mS/cm):	5.40	5.51	5.70	5.71	5.83	5.75				
10%* Turbidity (NTU):	309	294	309	254	242	234				
10%* DO (mg/L):	Horiba 0.00	NA	NA	NA	NA	NA	DO.	probe	not functioning	
	YSI									
0.2 C* Temperature (C):	24.76	23.99	22.74	22.61	21.65	21.53				
+/-10* ORP (mV):	-86	-102	-113	-120	-121	-127				
Volume Purged (gal):		.25	1/3	.50	2/3	.75				
Depth to Water (ft):	11.81	11.81	11.82	11.81	11.81	11.82				
Orion ORP:	mV N		N		N					
	E _h									
	Rel mV	A		A		A				
Well Goes Dry While Purging ☐										

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW50WG062314	6.23.14	1655	6		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

WELL DIA:	11	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.):		START:	FINISH:
DEPTH TO WATER from TOC (ft.):	6.42 = DTW	VOLUME PURGED (gal):	A
LENGTH OF WATER COL. (ft.):	DTF = 6.51	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):		START:	FINISH:
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal):	
No Sample - Product in		ANALYSIS:	

Well -

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

[illegible]

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
N			A	N	A

Purging/Sampling Device Decon Process:

COMMENTS: DTW=6.42 DTP=6.51

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/24/14	JOB NUMBER: 0880215068	PHASE: 02	TASK: —
PROJECT: ITC Carrier	EVENT: 2014 GW Sampling		
WELL ID: PLR002	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy	AMBIENT TEMP: 80's		
REVIEWED BY:	PERSONNEL: M. Gragg		
WELL DIA: 1"		WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): ~18 (measured)		START: 1355	FINISH:
DEPTH TO WATER from TOC (ft.): 8.31		VOLUME PURGED (gal):	
LENGTH OF WATER COL. (ft.):		GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):		START: 1355	FINISH: 1430
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal): 1/2	
		ANALYSIS: VOC, PCB	

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				☐ Baller ☒ Pump	Description: peristaltic - low flow					
Time (hh:mm):	1328	1348	1349	1347	1350	1353	1358	1359	1402	1405	
pH (units):	6.38	6.59	6.69	6.74	6.77	6.78	6.79	6.79	6.80	6.80	
Conductivity (mS/cm):	4.94	5.13	5.33	5.39	5.36	5.33	5.31	5.25	5.24	5.25	
Turbidity (NTU):	305	318	336	468	463	468	326	279	263	245	
DO (mg/L):	Horiba 3.97	2.31	2.02	1.84	1.71	1.56	1.53	1.41	1.32	1.29	
YSI											
Temperature (C°):	24.16	22.45	22.17	22.06	22.07	22.15	22.10	22.08	21.77	21.51	
ORP (mV):	74	78	29	30	33	39	43	46	47	47	
Volume Purged (gal):	NA	NA	NA	NA	1/4	1/4	3/8	3/8	1/2	1/2	
Depth to Water (ft):	10.25	10.69	11.05	11.36	11.57	11.76	11.84	11.90	12.02	12.10	
Onion ORP: mV											
E _H											
Rel mV											
Well Goes Dry While Purging ☐											

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR002WG062414	6/24/14	1430	6		

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum# _____

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ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/25/14	JOB NUMBER: 080815068	PHASE: 02	TASK: —
PROJECT: UTC-Carrier	EVENT: 2014 GW Sampling		
WELL ID: B001-01	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy, light rain	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. Gragg		

WELL DIA: 1"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.): 14.5'	START:	FINISH:
DEPTH TO WATER from TOC (ft.): 8.72	VOLUME PURGED (gal):	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 8:8	FINISH: 8:57
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: VOC	

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-low flow
Time (hh:mm):	8:21	8:24	8:27	8:30	8:33	8:36	8:39	8:42	8:45	8:48	8:51	8:54		
pH (units):	8.42	9.21	8.74	8.40	8.18	8.04	7.87	7.79	7.72	7.66	7.61	7.59		
Conductivity (mS/cm):	284	778	778	778	784	789	796	803	803	806	808	811		
Turbidity (NTU):	76.8	88.3	74.3	47.1	38.0	34.3	27.7	42.0	43.3	69.1	106.1	108.0		
DO (mg/L):	Horiba 8.71	8.70	8.53	8.23	8.21	8.18	7.98	8.04	7.94	7.99	7.94	7.93		
YSI														
Temperature (C°):	25.09	20.71	20.0	19.50	19.19	19.09	19.11	19.09	19.10	18.94	18.90	18.89		
ORP (mV):	40	87	118	135	144	150	157	161	163	166	170	169		
Volume Purged (gal):	NA	NA	NA	NA	NA	2 1/4	1 1/2	1 1/2	5/8	5/8	3/4	3/4		
Depth to Water (ft):	9.12	9.12	9.08	9.11	9.14	9.18	9.18	9.22	9.29	9.32	9.38	9.44		
Orion ORP: mV														
E _H														
Rel mV														
Well Goes Dry While Purging ☐														

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
B00101 W6062514	6/25/14	0857	3	←	

Purging/Sampling Device Decon Process:

COMMENTS:

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-25-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: Basin 002 Piezometers	EVENT: Site wide GW Sampling		
WELL ID: B001-02	LOCATION: UTC - Carrier - Syracuse		
WEATHER CONDITIONS: Rain, overcast	AMBIENT TEMP: 70°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 1"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N/A	FINISH: N/A	
DEPTH TO WATER from TOC (ft.): 8.40	VOLUME PURGED (gal): 1/A		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 0830	FINISH: 0845	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 0.30		
	ANALYSIS: VOC's		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer ☐ Pump	Description:
Time (hh:mm):	0830	0835		
0.1* pH (units):	7.08	7.64		
3%* Conductivity (mS/cm):	0.786	0.782		
10%* Turbidity (NTU):	4.2	4.5		
10%* DO (mg/L):	Horiba	—		Dry @ 0.30 gal.
	YSI	—		
0.2 C* Temperature (C):	19.66	19.63		
+/-10* ORP (mV):	238	212		
Volume Purged (gal):	—	0.25		
Depth to Water (ft):	8.40	11.49		
Onion ORP: mV	N/A	N/A		
E _h	/A	/A		
Rel mV	/A	/A		
				Well Goes Dry While Purging ☐

SAMPLE DATA

☐ Bailer ☐ Pump

Description:

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
P00102WG062514	6-25-14	0845	3		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

Page __ of __

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

MNA FIELD RESULTS

IN-SITU TESTING

SAMPLE DATA

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

Page ____ of ____

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6/25/14	JOB NUMBER: 08302/50608	PHASE: 02	TASK: —
PROJECT: UTC-carrier	EVENT: 2014 GW Sampling		
WELL ID: B001-06	LOCATION: Syracuse, NY		
WEATHER CONDITIONS: cloudy, rainy	AMBIENT TEMP: 70's		
REVIEWED BY:	PERSONNEL: M. Gragg		
WELL DIA: 14	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.): 14.5	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 2.85	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 921	FINISH: 1640	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS: VOC		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING								Description:			
Time (hh:mm):	927	930	933	936	939	942	945	948	951	954	957	1000
pH (units):	9.09	10.03	10.33	10.41	10.29	10.22	10.15	9.91	9.71	9.57	9.53	
Conductivity (mS/cm):	.621	.650	.646	.666	.680	.698	.759	.771	.772	.781	.788	
Turbidity (NTU):	349	258	212	155	125	123	124	99.0	57.3	142		
DO (mg/L):	Horiba	7.00	7.12	6.85	6.16	5.44	5.03	4.73	4.94	5.51	5.84	
	YSI											
Temperature (C°):	20.93	21.08	21.15	21.29	21.32	21.36	21.57	21.33	21.22	21.21		
ORP (mV):	77	45	29	20	19	19	20	35	45	52		
Volume Purged (gal):	NA	1/8	1/4	1/2	1/2	1/2	3/8	5/8	3/4	3/4		
Depth to Water (ft):	4.41	5.08	5.80	6.35	6.67	6.92	7.41	7.68	7.92	8.16		
Orion ORP:	mV											
	E _H											
	Rel mV											
Well Goes Dry While Purging ☐												

see comments

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
B00106 WGS062514	6/25/14	1640	3		

Purging/Sampling Device Decon Process:

COMMENTS: rain water infiltrating well, filled well head, will have to resample later.

Purge water placed in drum#

Page _ of _

10" — rain has stopped, will pump B001-06 dry, let recharge, then collect sample.

ENSAFE

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-20-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigative Wells	EVENT: Site Wide Annual GW Sampling		
WELL ID: PLR05G	LOCATION:		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 68°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 1"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N	FINISH:	
DEPTH TO WATER from TOC (ft.): 12.75	VOLUME PURGED (gal):	4	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START:	FINISH:	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS:		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING			☐ Bailer ☐ Pump	Description:					
Time (hh:mm):											
pH (units):	7.20										
Conductivity (mS/cm):	1.29										
Turbidity (NTU):	227										
DO (mg/L):	Horiba YSI —	D R Y @	less than 1/4 gall.								
Temperature (C°)	19.48						poor recharge... cannot continue measurement - attempt to collect sample.				
ORP (mV):	30										
Volume Purged (gal):	1/8										
Depth to Water (ft):	12.75										
Orion ORP:	mV N /										
E _w :	/										
Ref mV:	A										
						☒ Well Goes Dry While Purging					

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR056WG062014	6.20.14	1200	3	—	VOC's only

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

Page ____ of ____

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.20.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigative Wells	EVENT: Site Wide GW Sampling		
WELL ID: PLR 057	LOCATION: UTC - Carrier		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 67°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 1" Piezo.	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N /	FINISH: N /	
DEPTH TO WATER from TOC (ft.): 12.74	VOLUME PURGED (gal): 1 /	1 /	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 0950	FINISH:	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS:		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING		☐ Bailer ☒ Pump		Description:				
Time (hh:mm):	0950	0955	1000	1605						
pH (units):	6.75	6.76	6.74	6.72						
Conductivity (mS/cm):	1.12	1.13	1.09	1.08						
Turbidity (NTU):	516	331	157	120						
DO (mg/L):	Horiba	5.15	4.59	4.03	4.21					
	YSI	—	—	—	—					
Temperature (°C):	16.66	15.64	15.60	15.71						
ORP (mV):	62	74	93	101						
Volume Purged (gal):	1/16	1/8	1/4	1/3						
Depth to Water (ft):	12.74	—	—	—						
Orion ORP:	mV	N	N	N	N					
	E _h	/	/	/	/					
	Rel mV	/A	/A	/A	/A					
Well Goes Dry While Purging ☐										

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR057WG062014	6.20.14	1100	8	—	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

Page of

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-19-14		JOB NUMBER:		PHASE:	TASK:
PROJECT: MH3 Investigative Wells		EVENT:			
WELL ID: PLR059		LOCATION: UTC - Carrier			
WEATHER CONDITIONS: Clear		AMBIENT TEMP: 80°F			
REVIEWED BY:		PERSONNEL: M. Crawford			
WELL DIA: 4"		WELL DEVELOPMENT			
TOTAL DEPTH from TOC (ft.):		START: N		FINISH: /	
DEPTH TO WATER from TOC (ft.): 12.35		VOLUME PURGED (gal): A			
LENGTH OF WATER COL. (ft.):		GROUNDWATER SAMPLING			
1 VOLUME OF WATER (gal):		START: 1400		FINISH: 1420	
3 VOLUMES OF WATER (gal):		VOLUME PURGED (gal):			
		ANALYSIS: PCB, VOC, TPH			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING					☐ Bailer ☒ Pump		Description:			
Time (hh:mm):	1400	1405	1410	1415	1420							
0.1* pH (units):	7.27	7.01	6.97	6.96	6.86							
3%* Conductivity (mS/cm):	1.95	1.97	1.97	1.88	1.90							
10%* Turbidity (NTU):	5.6	6.05	5.90	4.67	3.05							
10%* DO (mg/L):	Horiba	3.65	2.73	2.58	2.21	2.12						
	YSI	—	—	—	—	—						
0.2 C* Temperature (C°):	17.38	17.04	16.74	18.7	18.33							
+/-10* ORP (mV):	-111	-41	-108	-107	-106							
Volume Purged (gal):	1/8	1/4	1/2	3/4	1.25							
Depth to Water (ft):	12.35	—	—	—	—							
Onion ORP:	mV	N	N	N	N	N						
	E _a	/	/	/	/	/						
	Ref mV	A	A	A	A	A						
Well Goes Dry While Purging ☐												

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
PLR059WG061914	6-19-14	1420	8	—	—

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____

Page ___ of ___

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-19-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigative Wells	EVENT: Annual GW Sampling		
WELL ID: PLR 058	LOCATION: UTC-Carrier		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 80°F		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 1"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.):	START: N	FINISH:
DEPTH TO WATER from TOC (ft.): 11.77	VOLUME PURGED (gal): 1A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING	
1 VOLUME OF WATER (gal):	START: 1530	FINISH: 1700
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: VOC'S / PCB'S / TPH DRO-ORD	

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one: DEVELOPMENT	SAMPLING			☐ Bailer ☐ Pump	Description:
Time (hh:mm):	1530	1540	1550		
0.1* pH (units):	6.76	6.68	6.70		
3%* Conductivity (mS/cm):	1.26	1.27	1.27	DRY @ 0.25 galls. - poor recharge	
10%* Turbidity (NTU):	331	308	295		
10%* DO (mg/L):	Horiba 4.21	4.50	4.39		
	YSI				
0.2 C* Temperature (C°):	26.08	24.79	24.77		
+/-10* ORP (mV):	-17	-13	-37		
Volume Purged (gal):	1/8		1/4		
Depth to Water (ft):	11.77				
Orion ORP: mV	N/A				
	E _h				
	Rel mV	A			
Well Goes Dry While Purging ☐					

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Description:
PLR 058 WG 061914	6-19-14	1700	6	Poor Recharge

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum# _____

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ENSAFÉ

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.19.14	JOB NUMBER:	PHASE: ☒	TASK:
PROJECT: Annual Sampling - June	EVENT: Site Wide - Annual Sampling		
WELL ID: PLR 061	LOCATION: UTC Carrier		
WEATHER CONDITIONS: 75° Clear	AMBIENT TEMP: 75° F Clear		
REVIEWED BY:	PERSONNEL: M. Crawford		

WELL DIA: 1"	WELL DEVELOPMENT	
TOTAL DEPTH from TOC (ft.):	START:	FINISH:
DEPTH TO WATER from TOC (ft.): 13.09	VOLUME PURGED (gal):	
LENGTH OF WATER COL. (ft.):	6.19.14 GROUNDWATER SAMPLING 6.20.14	
1 VOLUME OF WATER (gal):	START: 1200	FINISH: 0730
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):	
	ANALYSIS: VOC, TPH, PCB	

MNA FIELD RESULTS

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

IN-SITU TESTING

	Circle one: DEVELOPMENT	SAMPLING		☐ Bailer ☒ Pump	Description:
	Time (hh:mm):	1200	1204	1210	
0.1*	pH (units):	6.86	6.79	6.75	
3%*	Conductivity (mS/cm):	1.02	1.05	1.10	D
10%*	Turbidity (NTU):	7.1	6.4	7.4	R
10%*	DO (mg/L):	Horiba 4.63	4.06	3.74	
	YSI	—	—	—	
0.2 C*	Temperature (C°):	16.72	16.80	17.63	
+/-10*	ORP (mV):	6	28	55	
	Volume Purged (gal):	1/8	1/4	3/8	
	Depth to Water (ft):	17.15	17.22	17.41	
	Onion ORP: mV				
	E _H				
	Rel mV				
					Well Goes Dry While Purging ☐

SAMPLE DATA

	☐ Bailer ☐ Pump	Description:
Sample ID	Date (m/d/y)	Time (hh:mm)
PLR 061WG 062014	6.20.14	0730
	Bottles (total to lab)	Filtered (0.45 µm)
	6	—
	Remarks	

Purging/Sampling Device Decon Process:

COMMENTS: Dry @ 3/8 gall. let recharge to sample... overnight.

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

Page __ of __

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6.20.14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Oil Investigate Wells	EVENT: Site Wide Sampling Event		
WELL ID: PLR 62 - MW 62	LOCATION: UTC / Carrier / Syf.		
WEATHER CONDITIONS: Clear	AMBIENT TEMP: 80°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 2"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START: N /	FINISH: N /	
DEPTH TO WATER from TOC (ft.): 7.09	VOLUME PURGED (gal): 17	17	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1520	FINISH:	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
	ANALYSIS:		

MNA FIELD RESULTS

FERROUS IRON	N	mg/L	CHLORIDE	N	mg/L
SULFIDE		mg/L	ALKALINITY		mg/L
SULFATE	4	mg/L	CO ₂	4	mg/L

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING					☐ Bailer ☐ Pump		Description:				
Time (hh:mm):	1520	1523	1526	1529	1532								
pH (units):	6.77	6.65	6.64	6.62	6.61								
Conductivity (mS/cm):	1.10	1.11	1.10	1.09	1.08								
Turbidity (NTU):	25.7	10.5	10.6	9.6	8.6								
DO (mg/L):	Horiba	5.95	5.58	5.49	5.39	5.30							
	YSI	—	—	—	—	—							
Temperature (C°):	17.46	15.81	15.71	15.95	15.71								
ORP (mV):	72	100	105	108	110								
Volume Purged (gal):	—	.25	.35	.45	.50								
Depth to Water (ft):	7.09	—	—	—	—								
Orion ORP:	mV	N /	N /	N /	N /	N /							
	E _h												
	Rel mV												
	A	A	A	A	A								
Well Goes Dry While Purging ☐													

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW62WG062014	6-20-14	1535	27	—	

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

Page of

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

MNA FIELD RESULTS

IN-SITU TESTING

Well Goes Dry While Purging ☐

SAMPLE DATA

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-19-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Investigative Wells	EVENT: Annual GW Sampling		
WELL ID: PLR060	LOCATION: UTC - Carrier - Syracuse		
WEATHER CONDITIONS: 78°F Clear	AMBIENT TEMP: 78°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 1"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 12.21	VOLUME PURGED (gal):		
LENGTH OF WATER COL. (ft.):	6-19 GROUNDWATER SAMPLING 6-20		
1 VOLUME OF WATER (gal):	START: 1300	FINISH: 1000	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal): 75 galls		
	ANALYSIS: TPH, PCB, VOC		

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer ☐ Pump	Description:
Time (hh:mm):	1305			
0.1* pH (units):	10.23	D		
3%* Conductivity (mS/cm):	426	R		
10%* Turbidity (NTU):	382	Y		
10%* DO (mg/L):	Horiba 2.14			
	YSI			
0.2 C* Temperature (C):	26.5			
+/-10* ORP (mV):	-36			
Volume Purged (gal):	75			
Depth to Water (ft):	12.21			
Orion ORP:	mV			
	E _H			
	Rel mV			
Well Goes Dry While Purging ☐				

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	☐ Bailer ☐ Pump	Description:
PLR060WG062014	6-20-14	1000	7	Filtered (0.45 µm)
				Remarks

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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CS

ENSAFÉ

WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

DATE: 6-20-14	JOB NUMBER:	PHASE:	TASK:
PROJECT: MH3 Oil Investigative Well	EVENT: Site wide GW Sampling		
WELL ID: MW-51	LOCATION: UTC - Carrier - Syr.		
WEATHER CONDITIONS: Inside SWTP	AMBIENT TEMP: 72°F		
REVIEWED BY:	PERSONNEL: M. Crawford		
WELL DIA: 4"	WELL DEVELOPMENT		
TOTAL DEPTH from TOC (ft.):	START:	FINISH:	
DEPTH TO WATER from TOC (ft.): 12.83	VOLUME PURGED (gal):	A	
LENGTH OF WATER COL. (ft.):	GROUNDWATER SAMPLING		
1 VOLUME OF WATER (gal):	START: 1155	FINISH: 1300	
3 VOLUMES OF WATER (gal):	VOLUME PURGED (gal):		
ANALYSIS: VOC'S / PCB'S / TPH-DRO-ORO			

MNA FIELD RESULTS

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

IN-SITU TESTING

Circle one:	DEVELOPMENT	SAMPLING	☐ Bailer ☒ Pump					Description:
Time (hh:mm):	1155	1200	1205	1210	1215	1230	1235	
pH (units):	7.10	7.63	7.07	7.10	7.07	7.07	7.07	
Conductivity (mS/cm):	2.09	1.98	2.17	2.17	2.18	2.18	2.18	
Turbidity (NTU):	95.4	103.1	51.1	18.4	12.3	11.4	11.0	
DO (mg/L):	Horiba 1.91	1.81	1.94	1.85	1.78	1.74	1.71	
	YSI							
Temperature (°C):	18.8	18.5	16.72	15.66	15.65	15.65	15.59	
ORP (mV):	18	22	43	43	43	43	43	
Volume Purged (gal):	.25	.35	.50	.65	.75	1.25	1.5	
Depth to Water (ft):	12.83							
Orion ORP:	mV N	N	N	N	N	N	N	
	E _H							
	Rel mV	A	A	A	A	A	A	
Well Goes Dry While Purging ☐								

SAMPLE DATA

Sample ID	Date (m/d/y)	Time (hh:mm)	Bottles (total to lab)	Filtered (0.45 µm)	Remarks
MW51NG-062014	6-20-14	1300	8		

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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WELL DEVELOPMENT & GROUNDWATER SAMPLING FORM

MNA FIELD RESULTS

IN-SITU TESTING

SAMPLE DATA

Purging/Sampling Device Decon Process:

COMMENTS:

*Stabilization is achieved when 3 consecutive readings are within the respective limit range. Turbidity is 10% or less than 10 NTU.

Purge water placed in drum#

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Appendix C
Laboratory Analytical Reports

ANALYTICAL REPORT

Job Number: 240-39033-1

SDG Number: Existing Monitoring Well Network

Job Description: 2014 Annual GW Monitoring

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
7/8/2014 10:24 AM

Amy L. McCormick, Project Manager II
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07/08/2014

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CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-39033-1

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

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

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

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

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

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

RECEIPT

The samples were received on 6/28/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MW10WG062714 (240-39033-1), MW17WG062714 (240-39033-2), MW6WG062714 (240-39033-3), MW18WG062714 (240-39033-4), MW14WG062714 (240-39033-5), MW21WG062714 (240-39033-6), MW5RWG062714 (240-39033-7) and MW19WG062714 (240-39033-8) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/03/2014.

Sample MW18WG062714 (240-39033-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-137089/5 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 continuing calibration verification (CCV) for analytical batch 137089 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected compounds. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS

Sample MW18WG062714 (240-39033-4) was analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D-DRO. The samples were prepared on 07/03/2014 and analyzed on 07/04/2014.

Oil Range Organics (C28-C40) was detected in method blank MB 240-137157/2-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The continuing calibration verification (CCV) associated with batch 137166 recovered above the upper control limit for Diesel. Sample MW18WG062714 (240-39033-4) associated with this CCV was non-detect for the affected analyte; therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-39033-1 Methyl tert-butyl ether	MW10WG062714	4.5		1.0	ug/L	8260C
240-39033-4 1,1,1-Trichloroethane	MW18WG062714	6.5	J	10	ug/L	8260C
1,1-Dichloroethane		9.8	J	10	ug/L	8260C
1,1-Dichloroethene		4.5	J	10	ug/L	8260C
cis-1,2-Dichloroethene		300		10	ug/L	8260C
Methylene Chloride		5.5	J B	10	ug/L	8260C
trans-1,2-Dichloroethene		2.9	J	10	ug/L	8260C
Trichloroethene		370		10	ug/L	8260C
Vinyl chloride		12		10	ug/L	8260C
Oil Range Organics (C28-C40)		100	J B	480	ug/L	8015D
240-39033-5 Toluene	MW14WG062714	0.15	J	1.0	ug/L	8260C
240-39033-6 cis-1,2-Dichloroethene	MW21WG062714	0.56	J	1.0	ug/L	8260C
Trichloroethene		0.26	J	1.0	ug/L	8260C
Vinyl chloride		0.41	J	1.0	ug/L	8260C
240-39033-8 Trichloroethene	MW19WG062714	0.87	J	1.0	ug/L	8260C

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

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
Diesel Range Organics (DRO) (GC)	TAL CAN	SW846 8015D	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CAN		SW846 3510C

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: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1
SW846 8015D	Bolgrin, Deborah	DEB

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-39033-1	MW10WG062714	Water	06/27/2014 0900	06/28/2014 1000
240-39033-2	MW17WG062714	Water	06/27/2014 1015	06/28/2014 1000
240-39033-3	MW6WG062714	Water	06/27/2014 1145	06/28/2014 1000
240-39033-4	MW18WG062714	Water	06/27/2014 1430	06/28/2014 1000
240-39033-5	MW14WG062714	Water	06/27/2014 1245	06/28/2014 1000
240-39033-6	MW21WG062714	Water	06/27/2014 1115	06/28/2014 1000
240-39033-7	MW5RWG062714	Water	06/27/2014 0940	06/28/2014 1000
240-39033-8	MW19WG062714	Water	06/27/2014 0820	06/28/2014 1000

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW10WG062714

Lab Sample ID: 240-39033-1

Date Sampled: 06/27/2014 0900

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944693.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0044			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0044				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	4.5		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW10WG062714

Lab Sample ID: 240-39033-1

Date Sampled: 06/27/2014 0900

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944693.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0044			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0044				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		74 - 120
Dibromofluoromethane (Surr)	84		75 - 121
4-Bromofluorobenzene (Surr)	90		66 - 120
1,2-Dichloroethane-d4 (Surr)	84		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW10WG062714

Lab Sample ID: 240-39033-1

Date Sampled: 06/27/2014 0900

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137089

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944693.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/03/2014 0044

Final Weight/Volume: 5 mL

Prep Date: 07/03/2014 0044

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW17WG062714

Lab Sample ID: 240-39033-2

Date Sampled: 06/27/2014 1015

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944694.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0107			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0107				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW17WG062714

Lab Sample ID: 240-39033-2

Date Sampled: 06/27/2014 1015

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944694.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0107			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0107				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	85		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW17WG062714

Lab Sample ID: 240-39033-2

Date Sampled: 06/27/2014 1015

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137089

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944694.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/03/2014 0107

Final Weight/Volume: 5 mL

Prep Date: 07/03/2014 0107

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW6WG062714

Lab Sample ID: 240-39033-3

Date Sampled: 06/27/2014 1145

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944695.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0130			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0130				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW6WG062714

Lab Sample ID: 240-39033-3

Date Sampled: 06/27/2014 1145

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944695.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0130			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0130				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		74 - 120
Dibromofluoromethane (Surr)	90		75 - 121
4-Bromofluorobenzene (Surr)	85		66 - 120
1,2-Dichloroethane-d4 (Surr)	87		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW6WG062714

Lab Sample ID: 240-39033-3

Client Matrix: Water

Date Sampled: 06/27/2014 1145

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944695.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0130			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0130				

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-	7.12	2.7	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW18WG062714

Lab Sample ID: 240-39033-4

Date Sampled: 06/27/2014 1430

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944696.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0153			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0153				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	6.5	J	2.2	10
1,1,2,2-Tetrachloroethane	ND		1.8	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.8	10
1,1,2-Trichloroethane	ND		2.7	10
1,1-Dichloroethane	9.8	J	1.5	10
1,1-Dichloroethene	4.5	J	1.9	10
1,2,4-Trichlorobenzene	ND		1.5	10
1,2-Dibromo-3-Chloropropane	ND		6.7	20
Ethylene Dibromide	ND		2.4	10
1,2-Dichlorobenzene	ND		1.3	10
1,2-Dichloroethane	ND		2.2	10
1,2-Dichloropropane	ND		1.8	10
1,3-Dichlorobenzene	ND		1.4	10
1,4-Dichlorobenzene	ND		1.3	10
2-Butanone (MEK)	ND		5.7	100
2-Hexanone	ND		4.1	100
4-Methyl-2-pentanone (MIBK)	ND		3.2	100
Acetone	ND		11	100
Benzene	ND		1.3	10
Dichlorobromomethane	ND		1.5	10
Bromoform	ND		6.4	10
Bromomethane	ND		4.1	10
Carbon disulfide	ND		1.3	10
Carbon tetrachloride	ND		1.3	10
Chlorobenzene	ND		1.5	10
Chloroethane	ND		2.9	10
Chloroform	ND		1.6	10
Chloromethane	ND		3.0	10
cis-1,2-Dichloroethene	300		1.7	10
cis-1,3-Dichloropropene	ND		1.4	10
Cyclohexane	ND		1.2	10
Chlorodibromomethane	ND		1.8	10
Dichlorodifluoromethane	ND		3.1	10
Ethylbenzene	ND		1.7	10
Isopropylbenzene	ND		1.3	10
Methyl acetate	ND		3.8	100
Methyl tert-butyl ether	ND		1.7	10
Methylcyclohexane	ND		1.3	10
Methylene Chloride	5.5	J B	3.3	10
Styrene	ND		1.1	10
Tetrachloroethene	ND		2.9	10
Toluene	ND		1.3	10
trans-1,2-Dichloroethene	2.9	J	1.9	10
trans-1,3-Dichloropropene	ND		1.9	10
Trichloroethene	370		1.7	10
Trichlorofluoromethane	ND		2.1	10

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW18WG062714

Lab Sample ID: 240-39033-4

Date Sampled: 06/27/2014 1430

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944696.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0153			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0153				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	12		2.2	10
Xylenes, Total	ND		1.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW18WG062714

Lab Sample ID: 240-39033-4

Date Sampled: 06/27/2014 1430

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137089

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944696.D

Dilution: 10

Initial Weight/Volume: 5 mL

Analysis Date: 07/03/2014 0153

Final Weight/Volume: 5 mL

Prep Date: 07/03/2014 0153

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW14WG062714

Lab Sample ID: 240-39033-5

Date Sampled: 06/27/2014 1245

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944697.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0216			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0216				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW14WG062714

Lab Sample ID: 240-39033-5

Date Sampled: 06/27/2014 1245

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944697.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0216			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0216				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		74 - 120
Dibromofluoromethane (Surr)	96		75 - 121
4-Bromofluorobenzene (Surr)	80		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW14WG062714

Lab Sample ID: 240-39033-5

Client Matrix: Water

Date Sampled: 06/27/2014 1245

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137089

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944697.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/03/2014 0216

Final Weight/Volume: 5 mL

Prep Date: 07/03/2014 0216

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW21WG062714

Lab Sample ID: 240-39033-6

Date Sampled: 06/27/2014 1115

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944698.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0239			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.56	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	0.26	J	0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW21WG062714

Lab Sample ID: 240-39033-6

Date Sampled: 06/27/2014 1115

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944698.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0239			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0239				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	0.41	J	0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		74 - 120
Dibromofluoromethane (Surr)	96		75 - 121
4-Bromofluorobenzene (Surr)	85		66 - 120
1,2-Dichloroethane-d4 (Surr)	87		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW21WG062714

Lab Sample ID: 240-39033-6

Client Matrix: Water

Date Sampled: 06/27/2014 1115

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944698.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0239			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0239				

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW5RWG062714

Lab Sample ID: 240-39033-7

Date Sampled: 06/27/2014 0940

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944699.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0302			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0302				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW5RWG062714

Lab Sample ID: 240-39033-7

Date Sampled: 06/27/2014 0940

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944699.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0302			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0302				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	93		75 - 121
4-Bromofluorobenzene (Surr)	82		66 - 120
1,2-Dichloroethane-d4 (Surr)	93		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW5RWG062714

Lab Sample ID: 240-39033-7

Date Sampled: 06/27/2014 0940

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137089

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944699.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/03/2014 0302

Final Weight/Volume: 5 mL

Prep Date: 07/03/2014 0302

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW19WG062714

Lab Sample ID: 240-39033-8

Date Sampled: 06/27/2014 0820

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944700.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0325			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0325				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	0.87	J	0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW19WG062714

Lab Sample ID: 240-39033-8

Date Sampled: 06/27/2014 0820

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944700.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2014 0325			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 0325				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	94		75 - 121
4-Bromofluorobenzene (Surr)	83		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW19WG062714

Lab Sample ID: 240-39033-8

Date Sampled: 06/27/2014 0820

Client Matrix: Water

Date Received: 06/28/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137089

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944700.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/03/2014 0325

Final Weight/Volume: 5 mL

Prep Date: 07/03/2014 0325

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Client Sample ID: MW18WG062714

Lab Sample ID: 240-39033-4

Date Sampled: 06/27/2014 1430

Client Matrix: Water

Date Received: 06/28/2014 1000

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-137166	Instrument ID:	A2HP5F
Prep Method:	3510C	Prep Batch:	240-137157	Lab File ID:	P5F70327.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/04/2014 0054			Final Weight/Volume:	5 mL
Prep Date:	07/03/2014 1022			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	ND		100	480
Oil Range Organics (C28-C40)	100	J B	100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	78		40 - 160

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

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 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.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-137089					
LCS 240-137089/6	Lab Control Sample	T	Water	8260C	
MB 240-137089/5	Method Blank	T	Water	8260C	
240-39033-1	MW10WG062714	T	Water	8260C	
240-39033-2	MW17WG062714	T	Water	8260C	
240-39033-3	MW6WG062714	T	Water	8260C	
240-39033-4	MW18WG062714	T	Water	8260C	
240-39033-5	MW14WG062714	T	Water	8260C	
240-39033-6	MW21WG062714	T	Water	8260C	
240-39033-7	MW5RWG062714	T	Water	8260C	
240-39033-8	MW19WG062714	T	Water	8260C	

Report Basis

T = Total

GC Semi VOA

Prep Batch: 240-137157					
LCS 240-137157/3-A	Lab Control Sample	T	Water	3510C	
MB 240-137157/2-A	Method Blank	T	Water	3510C	
240-39033-4	MW18WG062714	T	Water	3510C	
Analysis Batch:240-137166					
LCS 240-137157/3-A	Lab Control Sample	T	Water	8015D	240-137157
MB 240-137157/2-A	Method Blank	T	Water	8015D	240-137157
240-39033-4	MW18WG062714	T	Water	8015D	240-137157

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-39033-1	MW10WG062714	100	84	90	84
240-39033-2	MW17WG062714	103	92	88	85
240-39033-3	MW6WG062714	98	90	85	87
240-39033-4	MW18WG062714	98	92	88	86
240-39033-5	MW14WG062714	99	96	80	86
240-39033-6	MW21WG062714	99	96	85	87
240-39033-7	MW5RWG062714	95	93	82	93
240-39033-8	MW19WG062714	96	94	83	89
MB 240-137089/5		96	88	85	84
LCS 240-137089/6		99	98	92	87

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Surrogate Recovery Report

8015D Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
240-39033-4	MW18WG062714	78
MB 240-137157/2-A		88
LCS 240-137157/3-A		100

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-160

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1

Sdg Number: Existing Monitoring Well Network

Method Blank - Batch: 240-137089

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 240-137089/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/02/2014 2059
 Prep Date: 07/02/2014 2059
 Leach Date: N/A

Analysis Batch: 240-137089
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX944683.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.405	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Method Blank - Batch: 240-137089

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-137089/5	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944683.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 2059	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 2059				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	88	75 - 121
4-Bromofluorobenzene (Surr)	85	66 - 120
1,2-Dichloroethane-d4 (Surr)	84	63 - 129

Method Blank TICs- Batch: 240-137089

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Lab Control Sample - Batch: 240-137089

Method: 8260C
Preparation: 5030C

Lab Sample ID: LCS 240-137089/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1954
Prep Date: 07/02/2014 1954
Leach Date: N/A

Analysis Batch: 240-137089
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944680.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	17.0	85	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	19.6	98	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.6	118	74 - 151	
1,1,2-Trichloroethane	20.0	19.7	98	80 - 120	
1,1-Dichloroethane	20.0	19.1	96	80 - 120	
1,1-Dichloroethene	20.0	21.6	108	78 - 131	
1,2,4-Trichlorobenzene	20.0	19.4	97	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	17.9	90	42 - 136	
Ethylene Dibromide	20.0	19.9	100	79 - 120	
1,2-Dichlorobenzene	20.0	19.3	97	80 - 120	
1,2-Dichloroethane	20.0	20.3	102	71 - 127	
1,2-Dichloropropane	20.0	20.4	102	80 - 120	
1,3-Dichlorobenzene	20.0	20.5	103	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
2-Butanone (MEK)	40.0	34.4	86	60 - 126	
2-Hexanone	40.0	36.0	90	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	36.0	90	63 - 128	
Acetone	40.0	31.3	78	43 - 136	
Benzene	20.0	20.6	103	80 - 120	
Dichlorobromomethane	20.0	20.6	103	72 - 121	
Bromoform	20.0	16.5	82	40 - 131	
Bromomethane	20.0	19.5	97	11 - 185	
Carbon disulfide	20.0	22.7	113	62 - 142	
Carbon tetrachloride	20.0	19.2	96	66 - 128	
Chlorobenzene	20.0	20.6	103	80 - 120	
Chloroethane	20.0	18.9	94	25 - 153	
Chloroform	20.0	20.4	102	79 - 120	
Chloromethane	20.0	20.4	102	44 - 126	
cis-1,2-Dichloroethene	20.0	20.3	101	80 - 120	
cis-1,3-Dichloropropene	20.0	21.2	106	61 - 120	
Cyclohexane	20.0	21.7	109	54 - 121	
Chlorodibromomethane	20.0	20.9	104	64 - 120	
Dichlorodifluoromethane	20.0	18.7	94	19 - 129	
Ethylbenzene	20.0	20.5	102	80 - 120	
Isopropylbenzene	20.0	20.7	103	75 - 120	
Methyl acetate	100	92.2	92	58 - 131	
Methyl tert-butyl ether	20.0	19.3	96	52 - 144	
Methylcyclohexane	20.0	20.1	100	56 - 127	
Methylene Chloride	20.0	20.2	101	66 - 131	
Styrene	20.0	22.4	112	79 - 120	
Tetrachloroethene	20.0	22.0	110	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Lab Control Sample - Batch: 240-137089

Method: 8260C
Preparation: 5030C

Lab Sample ID: LCS 240-137089/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1954
Prep Date: 07/02/2014 1954
Leach Date: N/A

Analysis Batch: 240-137089
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944680.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.0	105	80 - 120	
trans-1,2-Dichloroethene	20.0	22.2	111	80 - 120	
trans-1,3-Dichloropropene	20.0	22.8	114	58 - 120	
Trichloroethene	20.0	21.5	108	76 - 120	
Trichlorofluoromethane	20.0	19.7	99	49 - 157	
Vinyl chloride	20.0	22.0	110	53 - 127	
Xylenes, Total	40.0	43.1	108	80 - 120	
m-Xylene & p-Xylene	20.0	22.0	110	80 - 120	
o-Xylene	20.0	21.1	105	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	99		74 - 120		
Dibromofluoromethane (Surr)	98		75 - 121		
4-Bromofluorobenzene (Surr)	92		66 - 120		
1,2-Dichloroethane-d4 (Surr)	87		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39033-1
Sdg Number: Existing Monitoring Well Network

Method Blank - Batch: 240-137157

Method: 8015D Preparation: 3510C

Lab Sample ID: MB 240-137157/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/03/2014 2354
Prep Date: 07/03/2014 1022
Leach Date: N/A

Analysis Batch: 240-137166
Prep Batch: 240-137157
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F70325.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		110	500
Oil Range Organics (C28-C40)	181	J	110	500
Surrogate	% Rec	Acceptance Limits		
o-Terphenyl	88	40 - 160		

Lab Control Sample - Batch: 240-137157

Method: 8015D Preparation: 3510C

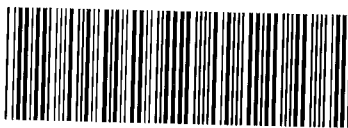
Lab Sample ID: LCS 240-137157/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/04/2014 0024
Prep Date: 07/03/2014 1022
Leach Date: N/A

Analysis Batch: 240-137166
Prep Batch: 240-137157
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F70326.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10 - C28]	2500	2420	97	40 - 124	
Surrogate	% Rec	Acceptance Limits			
o-Terphenyl	100	40 - 160			

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-39033 Chain of Custody

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CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD										COC No.		Page of					
Project Name: Existing Monitoring Well Network		Project No. 15688		Phase 02		Task		PO No.		Lab Name							
Site Location: UTC - Carrier - Syracuse		Sampler/Site Phone# M.Crawford 315.283.8871		Sample Analysis Requested (Fill in the number of containers for each test)													
Sampler:		Email: Shave Goodnight		Sgoodnight@ersafe.com		Total No. of Containers		Level 1		Level 2		Level 3		Level 4		TX TRRP-13	
Sample ID (sys_samp_code)		Location ID (sys_loc_code)		Date (mm/dd/yy)		Time (Military) (hhmm)		Matrix Code (1)		Sample Type (2)		Field Filtered (Y/N)		Remarks		Preservative Type (3)	
MW10WG062714	MW10	6-27-14	0900	WG	N	N											
MW17WG062714	MW17	6-27-14	1015														
MW06WG062714	MW06	6-27-14	1145														
MW18WG062714	MW18	6-27-14	1430														
MW14WG062714	MW14	6-27-14	1245														
MW21WG062714	MW21	6-27-14	1115														
MW5RWG062714	MW5R	6-27-14	0940														
MW19WG062714	MW19	6-27-14	0820														
Turnaround Time(specify):		Final		days		Email (if applicable)		days		Email Results(check):		Yes		No		Deliverable (check):	
Field Comments:		Relinquished by (signature)		Date		Time		Received by (signature)		Date		Time		Number of coolers in shipment:		Sample Shipment and Delivery Details	
1		W.D.C.		6-27-14		1650		Alexander Ray		6-27-14		1650		Number of coolers in shipment:		Samples Iced?(check) Yes No	
2		R.T.G.		6-27-14		19:00		R.T.G.		6-28-14		1000		Method of Shipment:		Airbill No:	
3														Date Shipped:			

(1) Matrix Code: AA=Air, AQ=Air Quality Control Matrix, DC=Drill Cuttings, GS=Soil Gas, LD=Drilling Fluid, LF=Free Product, LH=Liquid Waste, Oil=Oil, SB=Bentonite, SC=Cement, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid Quality Control Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, TQ=Tissue Quality Control Matrix, U=Unknown, WA=Aqueous Drill Cuttings, WE=Estuary, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water Quality Control Matrix, WS=Surface Water, WW=Waste Water

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

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

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 39033

Canton Facility

Client Ensafe Site Name _____

Cooler unpacked by:

Cooler Received on 6/26/14 Opened on 6/28/14Paul KoraFedEx: 1st Grd ☒ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____TestAmerica Cooler # TANO# 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 -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +0 °C) Observed Cooler Temp. 1.6 °C Corrected Cooler Temp. 1.6 °C☐ See Multiple
Cooler Form2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 ☒ Yes ☐ No-Were custody seals on the outside of the cooler(s) signed & dated? ☒ Yes ☐ No NA-Were custody seals on the bottle(s)? ☒ Yes ☐ No3. Shippers' packing slip attached to the cooler(s)? ☒ Yes ☐ No4. Did custody papers accompany the sample(s)? ☒ Yes ☐ No5. Were the custody papers relinquished & signed in the appropriate place? ☒ Yes ☐ No6. Did all bottles arrive in good condition (Unbroken)? ☒ Yes ☐ No7. Could all bottle labels be reconciled with the COC? ☒ Yes ☐ No8. Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No9. Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No10. Were sample(s) at the correct pH upon receipt? ☒ Yes ☐ No NA pH Strip Lot# HC30258711. Were VOAs on the COC? ☒ Yes ☐ No12. Were air bubbles >6 mm in any VOA vials? ☒ Yes ☐ No NA13. Was a trip blank present in the cooler(s)? ☒ Yes ☐ No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Received 1x 1L Amber for sample MW18 not on COC

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

ANALYTICAL REPORT

Job Number: 240-39149-1

SDG Number: Existing MW Network

Job Description: 2014 Annual GW Monitoring

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
7/17/2014 9:53 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
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07/17/2014

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-39149-1

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

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

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

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

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

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

RECEIPT

The sample was received on 7/2/2014 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample MW14DWG070114 (240-39149-1) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/07/2014.

Methylene Chloride was detected in method blank MB 240-137482/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) for batch 137482 recovered outside control limits for trans-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

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

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: 240-39149-1
Sdg Number: Existing MW Network

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-39149-1	MW14DWG070114	Water	07/01/2014 1015	07/02/2014 1000

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Client Sample ID: MW14DWG070114

Lab Sample ID: 240-39149-1

Date Sampled: 07/01/2014 1015

Client Matrix: Water

Date Received: 07/02/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944772.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2337			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2337				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network**Client Sample ID: MW14DWG070114**Lab Sample ID: 240-39149-1
Client Matrix: WaterDate Sampled: 07/01/2014 1015
Date Received: 07/02/2014 1000**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944772.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2337			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2337				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		74 - 120
Dibromofluoromethane (Surr)	95		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	90		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Client Sample ID: MW14DWG070114

Lab Sample ID: 240-39149-1

Client Matrix: Water

Date Sampled: 07/01/2014 1015

Date Received: 07/02/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944772.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 2337

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 2337

Tentatively Identified Compounds

Number TIC's Found: 0

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

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Lab Section	Qualifier	Description
GC/MS 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.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-137482					
LCS 240-137482/6	Lab Control Sample	T	Water	8260C	
MB 240-137482/5	Method Blank	T	Water	8260C	
240-39149-1	MW14DWG070114	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-39149-1	MW14DWG070114	98	95	88	90
MB 240-137482/5		98	94	87	91
LCS 240-137482/6		100	97	93	94

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Method Blank - Batch: 240-137482

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-137482/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1652
Prep Date: 07/07/2014 1652
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944754.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.751	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Method Blank - Batch: 240-137482

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-137482/5	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944754.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1652	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1652				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	74 - 120
Dibromofluoromethane (Surr)	94	75 - 121
4-Bromofluorobenzene (Surr)	87	66 - 120
1,2-Dichloroethane-d4 (Surr)	91	63 - 129

Method Blank TICs- Batch: 240-137482

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Lab Control Sample - Batch: 240-137482

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137482/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1544
Prep Date: 07/07/2014 1544
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944751.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.0	105	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	21.9	109	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.6	108	74 - 151	
1,1,2-Trichloroethane	20.0	20.7	103	80 - 120	
1,1-Dichloroethane	20.0	20.0	100	80 - 120	
1,1-Dichloroethene	20.0	20.5	102	78 - 131	
1,2,4-Trichlorobenzene	20.0	20.5	102	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	21.9	110	42 - 136	
Ethylene Dibromide	20.0	21.1	106	79 - 120	
1,2-Dichlorobenzene	20.0	20.2	101	80 - 120	
1,2-Dichloroethane	20.0	21.2	106	71 - 127	
1,2-Dichloropropane	20.0	20.6	103	80 - 120	
1,3-Dichlorobenzene	20.0	21.0	105	80 - 120	
1,4-Dichlorobenzene	20.0	19.9	99	80 - 120	
2-Butanone (MEK)	40.0	35.3	88	60 - 126	
2-Hexanone	40.0	41.2	103	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	39.9	100	63 - 128	
Acetone	40.0	33.4	83	43 - 136	
Benzene	20.0	20.9	104	80 - 120	
Dichlorobromomethane	20.0	21.4	107	72 - 121	
Bromoform	20.0	19.2	96	40 - 131	
Bromomethane	20.0	19.3	97	11 - 185	
Carbon disulfide	20.0	23.0	115	62 - 142	
Carbon tetrachloride	20.0	21.3	107	66 - 128	
Chlorobenzene	20.0	20.9	105	80 - 120	
Chloroethane	20.0	19.1	96	25 - 153	
Chloroform	20.0	20.4	102	79 - 120	
Chloromethane	20.0	21.2	106	44 - 126	
cis-1,2-Dichloroethene	20.0	20.1	101	80 - 120	
cis-1,3-Dichloropropene	20.0	22.2	111	61 - 120	
Cyclohexane	20.0	20.1	100	54 - 121	
Chlorodibromomethane	20.0	23.1	115	64 - 120	
Dichlorodifluoromethane	20.0	19.2	96	19 - 129	
Ethylbenzene	20.0	20.7	103	80 - 120	
Isopropylbenzene	20.0	20.2	101	75 - 120	
Methyl acetate	100	99.2	99	58 - 131	
Methyl tert-butyl ether	20.0	20.6	103	52 - 144	
Methylcyclohexane	20.0	19.7	98	56 - 127	
Methylene Chloride	20.0	20.8	104	66 - 131	
Styrene	20.0	23.2	116	79 - 120	
Tetrachloroethene	20.0	22.3	112	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39149-1
Sdg Number: Existing MW Network

Lab Control Sample - Batch: 240-137482

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137482/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1544
Prep Date: 07/07/2014 1544
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944751.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.4	107	80 - 120	
trans-1,2-Dichloroethene	20.0	21.3	106	80 - 120	
trans-1,3-Dichloropropene	20.0	25.3	126	58 - 120	*
Trichloroethene	20.0	21.0	105	76 - 120	
Trichlorofluoromethane	20.0	20.8	104	49 - 157	
Vinyl chloride	20.0	21.3	107	53 - 127	
Xylenes, Total	40.0	43.9	110	80 - 120	
m-Xylene & p-Xylene	20.0	22.4	112	80 - 120	
o-Xylene	20.0	21.5	108	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		74 - 120		
Dibromofluoromethane (Surr)	97		75 - 121		
4-Bromofluorobenzene (Surr)	93		66 - 120		
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-39149 Chain of Custody

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 39149

Canton Facility

Client Ensafe Site Name _____

Cooler unpacked by: _____

Cooler Received on 7-2-14 Opened on 7-2-14FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____Packing material used: Bubble Wrap Foam Plastic Bag None Other _____COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +0 °C) Observed Cooler Temp. 1-2 °C Corrected Cooler Temp. 1-2 °C☐ See Multiple Cooler Form2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA-Were custody seals on the bottle(s)? Yes No3. Shippers' packing slip attached to the cooler(s)? Yes No4. Did custody papers accompany the sample(s)? Yes No5. Were the custody papers relinquished & signed in the appropriate place? Yes No6. Did all bottles arrive in good condition (Unbroken)? Yes No7. Could all bottle labels be reconciled with the COC? Yes No8. Were correct bottle(s) used for the test(s) indicated? Yes No9. Sufficient quantity received to perform indicated analyses? Yes No10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC30258711. Were VOAs on the COC? Yes No12. Were air bubbles >6 mm in any VOA vials? Yes No NA13. Was a trip blank present in the cooler(s)? Yes No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

RR

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

ANALYTICAL REPORT

Job Number: 240-39093-1

SDG Number: Existing MW Network

Job Description: 2014 Annual GW Monitoring

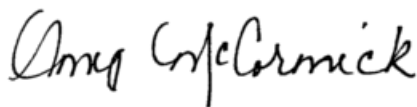
For:

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
7/16/2014 11:58 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/16/2014

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CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-39093-1

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

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

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

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

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

RECEIPT

The samples were received on 7/1/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MW16DWG063014 (240-39093-1), MW9WG063014 (240-39093-2), MW22DWG063014 (240-39093-3), MW03DWG063014 (240-39093-4), MW03SWG063014 (240-39093-5) and MW20WG063014 (240-39093-6) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/07/2014 and 07/08/2014.

Samples MW03SWG063014 (240-39093-5)[6.25X] and MW20WG063014 (240-39093-6)[2.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-137482/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride was detected in method blank MB 240-137675/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) for batches 137482 and 137675 recovered outside control limits for trans-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-39093-1 Acetone	MW16DWG063014	1.4	J	10	ug/L	8260C
240-39093-2 1,1,1-Trichloroethane	MW9WG063014	0.65	J	1.0	ug/L	8260C
1,1-Dichloroethane		0.82	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.43	J	1.0	ug/L	8260C
Trichloroethene		2.7		1.0	ug/L	8260C
240-39093-4 1,1-Dichloroethane	MW03DWG063014	1.3		1.0	ug/L	8260C
cis-1,2-Dichloroethene		41		1.0	ug/L	8260C
Vinyl chloride		0.48	J	1.0	ug/L	8260C
240-39093-5 1,1-Dichloroethane	MW03SWG063014	11		6.3	ug/L	8260C
1,1-Dichloroethene		2.4	J	6.3	ug/L	8260C
2-Butanone (MEK)		100		63	ug/L	8260C
Acetone		650		63	ug/L	8260C
cis-1,2-Dichloroethene		390		6.3	ug/L	8260C
Methyl acetate		7.7	J	63	ug/L	8260C
Methylene Chloride		3.8	J B	6.3	ug/L	8260C
Vinyl chloride		29		6.3	ug/L	8260C
240-39093-6 1,1-Dichloroethane	MW20WG063014	86		2.5	ug/L	8260C
1,1-Dichloroethene		4.1		2.5	ug/L	8260C
Chloroform		0.56	J	2.5	ug/L	8260C
cis-1,2-Dichloroethene		13		2.5	ug/L	8260C
Methylene Chloride		2.3	J B	2.5	ug/L	8260C
trans-1,2-Dichloroethene		0.87	J	2.5	ug/L	8260C
Trichloroethene		20		2.5	ug/L	8260C

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

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

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: 240-39093-1
Sdg Number: Existing MW Network

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-39093-1	MW16DWG063014	Water	06/30/2014 1145	07/01/2014 1000
240-39093-2	MW9WG063014	Water	06/30/2014 1340	07/01/2014 1000
240-39093-3	MW22DWG063014	Water	06/30/2014 1515	07/01/2014 1000
240-39093-4	MW03DWG063014	Water	06/30/2014 1655	07/01/2014 1000
240-39093-5	MW03SWG063014	Water	06/30/2014 1755	07/01/2014 1000
240-39093-6	MW20WG063014	Water	06/30/2014 0900	07/01/2014 1000

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW16DWG063014

Lab Sample ID: 240-39093-1
Client Matrix: Water

Date Sampled: 06/30/2014 1145
Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944763.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2013			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2013				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	1.4	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW16DWG063014

Lab Sample ID: 240-39093-1

Date Sampled: 06/30/2014 1145

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944763.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2013			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2013				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		74 - 120
Dibromofluoromethane (Surr)	99		75 - 121
4-Bromofluorobenzene (Surr)	86		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW16DWG063014

Lab Sample ID: 240-39093-1

Date Sampled: 06/30/2014 1145

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944763.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 2013

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 2013

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW9WG063014

Lab Sample ID: 240-39093-2
Client Matrix: Water

Date Sampled: 06/30/2014 1340
Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944764.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2036			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2036				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.65	J	0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	0.82	J	0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.43	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	2.7		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW9WG063014

Lab Sample ID: 240-39093-2

Date Sampled: 06/30/2014 1340

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944764.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2036			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2036				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		74 - 120
Dibromofluoromethane (Surr)	97		75 - 121
4-Bromofluorobenzene (Surr)	86		66 - 120
1,2-Dichloroethane-d4 (Surr)	90		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW9WG063014

Lab Sample ID: 240-39093-2

Date Sampled: 06/30/2014 1340

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944764.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 2036

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 2036

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1

Sdg Number: Existing MW Network

Client Sample ID: MW22DWG063014

Lab Sample ID: 240-39093-3

Date Sampled: 06/30/2014 1515

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944765.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2059			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2059				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW22DWG063014

Lab Sample ID: 240-39093-3
Client Matrix: WaterDate Sampled: 06/30/2014 1515
Date Received: 07/01/2014 1000**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944765.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2059			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2059				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	91		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW22DWG063014

Lab Sample ID: 240-39093-3

Date Sampled: 06/30/2014 1515

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944765.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 2059

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 2059

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW03DWG063014

Lab Sample ID: 240-39093-4

Date Sampled: 06/30/2014 1655

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 240-137482	Instrument ID: A3UX9
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: UX944766.D
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 07/07/2014 2122		Final Weight/Volume: 5 mL
Prep Date: 07/07/2014 2122		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	1.3		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	41		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW03DWG063014

Lab Sample ID: 240-39093-4

Date Sampled: 06/30/2014 1655

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944766.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2122			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2122				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	0.48	J	0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	86		66 - 120
1,2-Dichloroethane-d4 (Surr)	92		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW03DWG063014

Lab Sample ID: 240-39093-4

Date Sampled: 06/30/2014 1655

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944766.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 2122

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 2122

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW03SWG063014

Lab Sample ID: 240-39093-5

Date Sampled: 06/30/2014 1755

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C	Analysis Batch: 240-137675	Instrument ID: A3UX9
Prep Method: 5030C	Prep Batch: N/A	Lab File ID: UX944784.D
Dilution: 6.25		Initial Weight/Volume: 5 mL
Analysis Date: 07/08/2014 1906		Final Weight/Volume: 5 mL
Prep Date: 07/08/2014 1906		

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1.4	6.3
1,1,2,2-Tetrachloroethane	ND		1.1	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.8	6.3
1,1,2-Trichloroethane	ND		1.7	6.3
1,1-Dichloroethane	11		0.94	6.3
1,1-Dichloroethene	2.4	J	1.2	6.3
1,2,4-Trichlorobenzene	ND		0.94	6.3
1,2-Dibromo-3-Chloropropane	ND		4.2	13
Ethylene Dibromide	ND		1.5	6.3
1,2-Dichlorobenzene	ND		0.81	6.3
1,2-Dichloroethane	ND		1.4	6.3
1,2-Dichloropropane	ND		1.1	6.3
1,3-Dichlorobenzene	ND		0.88	6.3
1,4-Dichlorobenzene	ND		0.81	6.3
2-Butanone (MEK)	100		3.6	63
2-Hexanone	ND		2.6	63
4-Methyl-2-pentanone (MIBK)	ND		2.0	63
Acetone	650		6.9	63
Benzene	ND		0.81	6.3
Dichlorobromomethane	ND		0.94	6.3
Bromoform	ND		4.0	6.3
Bromomethane	ND		2.6	6.3
Carbon disulfide	ND		0.81	6.3
Carbon tetrachloride	ND		0.81	6.3
Chlorobenzene	ND		0.94	6.3
Chloroethane	ND		1.8	6.3
Chloroform	ND		1.0	6.3
Chloromethane	ND		1.9	6.3
cis-1,2-Dichloroethene	390		1.1	6.3
cis-1,3-Dichloropropene	ND		0.88	6.3
Cyclohexane	ND		0.75	6.3
Chlorodibromomethane	ND		1.1	6.3
Dichlorodifluoromethane	ND		1.9	6.3
Ethylbenzene	ND		1.1	6.3
Isopropylbenzene	ND		0.81	6.3
Methyl acetate	7.7	J	2.4	63
Methyl tert-butyl ether	ND		1.1	6.3
Methylcyclohexane	ND		0.81	6.3
Methylene Chloride	3.8	J B	2.1	6.3
Styrene	ND		0.69	6.3
Tetrachloroethene	ND		1.8	6.3
Toluene	ND		0.81	6.3
trans-1,2-Dichloroethene	ND		1.2	6.3
trans-1,3-Dichloropropene	ND	*	1.2	6.3
Trichloroethene	ND		1.1	6.3
Trichlorofluoromethane	ND		1.3	6.3

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW03SWG063014

Lab Sample ID: 240-39093-5

Date Sampled: 06/30/2014 1755

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137675	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944784.D
Dilution:	6.25			Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2014 1906			Final Weight/Volume:	5 mL
Prep Date:	07/08/2014 1906				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	29		1.4	6.3
Xylenes, Total	ND		0.88	13

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	94		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW03SWG063014

Lab Sample ID: 240-39093-5

Date Sampled: 06/30/2014 1755

Client Matrix: Water

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137675

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944784.D

Dilution: 6.25

Initial Weight/Volume: 5 mL

Analysis Date: 07/08/2014 1906

Final Weight/Volume: 5 mL

Prep Date: 07/08/2014 1906

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW20WG063014

Lab Sample ID: 240-39093-6
Client Matrix: Water

Date Sampled: 06/30/2014 0900
Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944768.D
Dilution:	2.5			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2206			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2206				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.55	2.5
1,1,2,2-Tetrachloroethane	ND		0.45	2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.70	2.5
1,1,2-Trichloroethane	ND		0.68	2.5
1,1-Dichloroethane	86		0.38	2.5
1,1-Dichloroethene	4.1		0.48	2.5
1,2,4-Trichlorobenzene	ND		0.38	2.5
1,2-Dibromo-3-Chloropropane	ND		1.7	5.0
Ethylene Dibromide	ND		0.60	2.5
1,2-Dichlorobenzene	ND		0.33	2.5
1,2-Dichloroethane	ND		0.55	2.5
1,2-Dichloropropane	ND		0.45	2.5
1,3-Dichlorobenzene	ND		0.35	2.5
1,4-Dichlorobenzene	ND		0.33	2.5
2-Butanone (MEK)	ND		1.4	25
2-Hexanone	ND		1.0	25
4-Methyl-2-pentanone (MIBK)	ND		0.80	25
Acetone	ND		2.8	25
Benzene	ND		0.33	2.5
Dichlorobromomethane	ND		0.38	2.5
Bromoform	ND		1.6	2.5
Bromomethane	ND		1.0	2.5
Carbon disulfide	ND		0.33	2.5
Carbon tetrachloride	ND		0.33	2.5
Chlorobenzene	ND		0.38	2.5
Chloroethane	ND		0.73	2.5
Chloroform	0.56	J	0.40	2.5
Chloromethane	ND		0.75	2.5
cis-1,2-Dichloroethene	13		0.43	2.5
cis-1,3-Dichloropropene	ND		0.35	2.5
Cyclohexane	ND		0.30	2.5
Chlorodibromomethane	ND		0.45	2.5
Dichlorodifluoromethane	ND		0.78	2.5
Ethylbenzene	ND		0.43	2.5
Isopropylbenzene	ND		0.33	2.5
Methyl acetate	ND		0.95	25
Methyl tert-butyl ether	ND		0.43	2.5
Methylcyclohexane	ND		0.33	2.5
Methylene Chloride	2.3	J B	0.83	2.5
Styrene	ND		0.28	2.5
Tetrachloroethene	ND		0.73	2.5
Toluene	ND		0.33	2.5
trans-1,2-Dichloroethene	0.87	J	0.48	2.5
trans-1,3-Dichloropropene	ND	*	0.48	2.5
Trichloroethene	20		0.43	2.5
Trichlorofluoromethane	ND		0.53	2.5

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network**Client Sample ID: MW20WG063014**Lab Sample ID: 240-39093-6
Client Matrix: WaterDate Sampled: 06/30/2014 0900
Date Received: 07/01/2014 1000**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944768.D
Dilution:	2.5			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 2206			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 2206				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.55	2.5
Xylenes, Total	ND		0.35	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		74 - 120
Dibromofluoromethane (Surr)	98		75 - 121
4-Bromofluorobenzene (Surr)	87		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Client Sample ID: MW20WG063014

Lab Sample ID: 240-39093-6

Client Matrix: Water

Date Sampled: 06/30/2014 0900

Date Received: 07/01/2014 1000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944768.D

Dilution: 2.5

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 2206

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 2206

Tentatively Identified Compounds

Number TIC's Found: 0

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

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-137482					
LCS 240-137482/6	Lab Control Sample	T	Water	8260C	
MB 240-137482/5	Method Blank	T	Water	8260C	
240-39093-1	MW16DWG063014	T	Water	8260C	
240-39093-2	MW9WG063014	T	Water	8260C	
240-39093-3	MW22DWG063014	T	Water	8260C	
240-39093-4	MW03DWG063014	T	Water	8260C	
240-39093-B-5 MSMS	Matrix Spike	T	Water	8260C	
240-39093-B-5 MSDMSD	Matrix Spike Duplicate	T	Water	8260C	
240-39093-6	MW20WG063014	T	Water	8260C	
Analysis Batch:240-137675					
LCS 240-137675/6	Lab Control Sample	T	Water	8260C	
MB 240-137675/5	Method Blank	T	Water	8260C	
240-39093-5	MW03SWG063014	T	Water	8260C	
240-39093-5MS	Matrix Spike	T	Water	8260C	
240-39093-5MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-39093-1	MW16DWG063014	97	99	86	89
240-39093-2	MW9WG063014	99	97	86	90
240-39093-3	MW22DWG063014	100	92	91	89
240-39093-4	MW03DWG063014	99	92	86	92
240-39093-5	MW03SWG063014	100	92	88	94
240-39093-6	MW20WG063014	99	98	87	88
MB 240-137482/5		98	94	87	91
MB 240-137675/5		96	93	84	83
LCS 240-137482/6		100	97	93	94
LCS 240-137675/6		100	94	94	88
240-39093-B-5 MS		99	97	87	89
240-39093-5 MS	MW03SWG063014 MS	101	90	91	92
240-39093-B-5 MSD		94	93	89	84
240-39093-5 MSD	MW03SWG063014 MSD	97	92	91	85

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Method Blank - Batch: 240-137482

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-137482/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1652
Prep Date: 07/07/2014 1652
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944754.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.751	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Method Blank - Batch: 240-137482

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-137482/5	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944754.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1652	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1652				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	74 - 120
Dibromofluoromethane (Surr)	94	75 - 121
4-Bromofluorobenzene (Surr)	87	66 - 120
1,2-Dichloroethane-d4 (Surr)	91	63 - 129

Method Blank TICs- Batch: 240-137482

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Lab Control Sample - Batch: 240-137482

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137482/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1544
Prep Date: 07/07/2014 1544
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944751.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.0	105	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	21.9	109	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.6	108	74 - 151	
1,1,2-Trichloroethane	20.0	20.7	103	80 - 120	
1,1-Dichloroethane	20.0	20.0	100	80 - 120	
1,1-Dichloroethene	20.0	20.5	102	78 - 131	
1,2,4-Trichlorobenzene	20.0	20.5	102	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	21.9	110	42 - 136	
Ethylene Dibromide	20.0	21.1	106	79 - 120	
1,2-Dichlorobenzene	20.0	20.2	101	80 - 120	
1,2-Dichloroethane	20.0	21.2	106	71 - 127	
1,2-Dichloropropane	20.0	20.6	103	80 - 120	
1,3-Dichlorobenzene	20.0	21.0	105	80 - 120	
1,4-Dichlorobenzene	20.0	19.9	99	80 - 120	
2-Butanone (MEK)	40.0	35.3	88	60 - 126	
2-Hexanone	40.0	41.2	103	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	39.9	100	63 - 128	
Acetone	40.0	33.4	83	43 - 136	
Benzene	20.0	20.9	104	80 - 120	
Dichlorobromomethane	20.0	21.4	107	72 - 121	
Bromoform	20.0	19.2	96	40 - 131	
Bromomethane	20.0	19.3	97	11 - 185	
Carbon disulfide	20.0	23.0	115	62 - 142	
Carbon tetrachloride	20.0	21.3	107	66 - 128	
Chlorobenzene	20.0	20.9	105	80 - 120	
Chloroethane	20.0	19.1	96	25 - 153	
Chloroform	20.0	20.4	102	79 - 120	
Chloromethane	20.0	21.2	106	44 - 126	
cis-1,2-Dichloroethene	20.0	20.1	101	80 - 120	
cis-1,3-Dichloropropene	20.0	22.2	111	61 - 120	
Cyclohexane	20.0	20.1	100	54 - 121	
Chlorodibromomethane	20.0	23.1	115	64 - 120	
Dichlorodifluoromethane	20.0	19.2	96	19 - 129	
Ethylbenzene	20.0	20.7	103	80 - 120	
Isopropylbenzene	20.0	20.2	101	75 - 120	
Methyl acetate	100	99.2	99	58 - 131	
Methyl tert-butyl ether	20.0	20.6	103	52 - 144	
Methylcyclohexane	20.0	19.7	98	56 - 127	
Methylene Chloride	20.0	20.8	104	66 - 131	
Styrene	20.0	23.2	116	79 - 120	
Tetrachloroethene	20.0	22.3	112	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Lab Control Sample - Batch: 240-137482

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137482/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1544
Prep Date: 07/07/2014 1544
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944751.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.4	107	80 - 120	
trans-1,2-Dichloroethene	20.0	21.3	106	80 - 120	
trans-1,3-Dichloropropene	20.0	25.3	126	58 - 120	*
Trichloroethene	20.0	21.0	105	76 - 120	
Trichlorofluoromethane	20.0	20.8	104	49 - 157	
Vinyl chloride	20.0	21.3	107	53 - 127	
Xylenes, Total	40.0	43.9	110	80 - 120	
m-Xylene & p-Xylene	20.0	22.4	112	80 - 120	
o-Xylene	20.0	21.5	108	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		74 - 120		
Dibromofluoromethane (Surr)	97		75 - 121		
4-Bromofluorobenzene (Surr)	93		66 - 120		
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-137482**

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

MS Lab Sample ID: 240-39093-B-5 MS
Client Matrix: Water
Dilution: 25
Analysis Date: 07/08/2014 0024
Prep Date: 07/08/2014 0024
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: A3UX9
Lab File ID: UX944774.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 240-39093-B-5 MSD
Client Matrix: Water
Dilution: 25
Analysis Date: 07/08/2014 0047
Prep Date: 07/08/2014 0047
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: A3UX9
Lab File ID: UX944775.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	83	98	68 - 121	16	30		
1,1,2,2-Tetrachloroethane	97	99	63 - 122	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	100	93	70 - 152	8	30		
1,1,2-Trichloroethane	99	97	75 - 120	2	30		
1,1-Dichloroethane	101	90	79 - 120	11	30		
1,1-Dichloroethene	102	92	74 - 135	11	30		
1,2,4-Trichlorobenzene	92	87	38 - 138	5	30		
1,2-Dibromo-3-Chloropropane	88	79	32 - 139	11	30		
Ethylene Dibromide	94	97	74 - 120	3	30		
1,2-Dichlorobenzene	93	86	75 - 120	7	30		
1,2-Dichloroethane	102	98	68 - 129	3	30		
1,2-Dichloropropane	101	93	78 - 120	8	30		
1,3-Dichlorobenzene	95	92	73 - 120	3	30		
1,4-Dichlorobenzene	87	88	75 - 120	1	30		
2-Butanone (MEK)	75	77	54 - 129	2	30		
2-Hexanone	86	82	47 - 139	5	30		
4-Methyl-2-pentanone (MIBK)	85	79	56 - 131	7	30		
Acetone	76	58	33 - 145	14	30		
Benzene	103	98	72 - 121	6	30		
Dichlorobromomethane	101	99	67 - 120	2	30		
Bromoform	83	79	32 - 128	6	30		
Bromomethane	96	90	10 - 186	7	30		
Carbon disulfide	108	101	57 - 147	6	30		
Carbon tetrachloride	89	89	59 - 129	0	30		
Chlorobenzene	100	99	80 - 120	1	30		
Chloroethane	98	85	21 - 165	14	30		
Chloroform	102	94	76 - 120	8	30		
Chloromethane	109	101	33 - 132	7	30		
cis-1,2-Dichloroethene	98	91	70 - 120	4	30		
cis-1,3-Dichloropropene	101	96	51 - 120	5	30		
Cyclohexane	90	88	49 - 123	2	30		
Chlorodibromomethane	97	99	56 - 120	1	30		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-137482

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-39093-B-5 MS	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944774.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2014 0024			Final Weight/Volume:	5 mL
Prep Date:	07/08/2014 0024				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-39093-B-5 MSD	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944775.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2014 0047			Final Weight/Volume:	5 mL
Prep Date:	07/08/2014 0047				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	88	80	17 - 128	10	30		
Ethylbenzene	102	96	75 - 120	6	30		
Isopropylbenzene	98	93	68 - 120	5	30		
Methyl acetate	90	84	47 - 130	7	30		
Methyl tert-butyl ether	93	90	46 - 144	3	30		
Methylcyclohexane	84	84	49 - 127	1	30		
Methylene Chloride	97	94	63 - 128	2	30		
Styrene	108	105	71 - 120	3	30		
Tetrachloroethene	104	98	70 - 120	6	30		
Toluene	104	100	78 - 120	4	30		
trans-1,2-Dichloroethene	106	103	80 - 120	3	30		
trans-1,3-Dichloropropene	108	108	46 - 120	1	30		
Trichloroethene	105	96	66 - 120	8	30		
Trichlorofluoromethane	94	86	46 - 157	9	30		
Vinyl chloride	102	96	49 - 130	6	30		
Xylenes, Total	102	101	76 - 120	1	30		
m-Xylene & p-Xylene	103	102	75 - 120	0	30		
o-Xylene	101	99	76 - 120	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	99	94	74 - 120
Dibromofluoromethane (Surr)	97	93	75 - 121
4-Bromofluorobenzene (Surr)	87	89	66 - 120
1,2-Dichloroethane-d4 (Surr)	89	84	63 - 129

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Method Blank - Batch: 240-137675

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-137675/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/08/2014 1842
Prep Date: 07/08/2014 1842
Leach Date: N/A

Analysis Batch: 240-137675
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944783.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.737	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Method Blank - Batch: 240-137675

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 240-137675/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/08/2014 1842
Prep Date: 07/08/2014 1842
Leach Date: N/A

Analysis Batch: 240-137675
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944783.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	93	75 - 121
4-Bromofluorobenzene (Surr)	84	66 - 120
1,2-Dichloroethane-d4 (Surr)	83	63 - 129

Method Blank TICs- Batch: 240-137675

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Lab Control Sample - Batch: 240-137675

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137675/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/08/2014 1734
Prep Date: 07/08/2014 1734
Leach Date: N/A

Analysis Batch: 240-137675
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944780.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	20.6	103	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	20.5	102	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.8	114	74 - 151	
1,1,2-Trichloroethane	20.0	20.6	103	80 - 120	
1,1-Dichloroethane	20.0	19.7	99	80 - 120	
1,1-Dichloroethene	20.0	20.2	101	78 - 131	
1,2,4-Trichlorobenzene	20.0	19.9	100	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	20.2	101	42 - 136	
Ethylene Dibromide	20.0	20.4	102	79 - 120	
1,2-Dichlorobenzene	20.0	18.8	94	80 - 120	
1,2-Dichloroethane	20.0	20.9	104	71 - 127	
1,2-Dichloropropane	20.0	20.9	105	80 - 120	
1,3-Dichlorobenzene	20.0	19.9	99	80 - 120	
1,4-Dichlorobenzene	20.0	19.4	97	80 - 120	
2-Butanone (MEK)	40.0	34.6	86	60 - 126	
2-Hexanone	40.0	38.4	96	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	37.9	95	63 - 128	
Acetone	40.0	30.9	77	43 - 136	
Benzene	20.0	20.5	102	80 - 120	
Dichlorobromomethane	20.0	20.9	104	72 - 121	
Bromoform	20.0	18.8	94	40 - 131	
Bromomethane	20.0	18.4	92	11 - 185	
Carbon disulfide	20.0	22.2	111	62 - 142	
Carbon tetrachloride	20.0	21.4	107	66 - 128	
Chlorobenzene	20.0	21.2	106	80 - 120	
Chloroethane	20.0	17.6	88	25 - 153	
Chloroform	20.0	20.7	103	79 - 120	
Chloromethane	20.0	21.3	106	44 - 126	
cis-1,2-Dichloroethene	20.0	20.4	102	80 - 120	
cis-1,3-Dichloropropene	20.0	21.6	108	61 - 120	
Cyclohexane	20.0	20.0	100	54 - 121	
Chlorodibromomethane	20.0	22.5	112	64 - 120	
Dichlorodifluoromethane	20.0	18.1	90	19 - 129	
Ethylbenzene	20.0	20.8	104	80 - 120	
Isopropylbenzene	20.0	21.1	105	75 - 120	
Methyl acetate	100	97.0	97	58 - 131	
Methyl tert-butyl ether	20.0	20.1	100	52 - 144	
Methylcyclohexane	20.0	19.5	97	56 - 127	
Methylene Chloride	20.0	20.1	100	66 - 131	
Styrene	20.0	22.9	114	79 - 120	
Tetrachloroethene	20.0	22.5	113	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Lab Control Sample - Batch: 240-137675

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137675/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/08/2014 1734
Prep Date: 07/08/2014 1734
Leach Date: N/A

Analysis Batch: 240-137675
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944780.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.2	106	80 - 120	
trans-1,2-Dichloroethene	20.0	21.5	108	80 - 120	
trans-1,3-Dichloropropene	20.0	24.2	121	58 - 120	*
Trichloroethene	20.0	20.6	103	76 - 120	
Trichlorofluoromethane	20.0	20.1	101	49 - 157	
Vinyl chloride	20.0	21.1	105	53 - 127	
Xylenes, Total	40.0	44.1	110	80 - 120	
m-Xylene & p-Xylene	20.0	22.4	112	80 - 120	
o-Xylene	20.0	21.7	108	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		74 - 120		
Dibromofluoromethane (Surr)	94		75 - 121		
4-Bromofluorobenzene (Surr)	94		66 - 120		
1,2-Dichloroethane-d4 (Surr)	88		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-137675**

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

MS Lab Sample ID:	240-39093-5	Analysis Batch:	240-137675	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944786.D
Dilution:	6.25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2014 1949			Final Weight/Volume:	5 mL
Prep Date:	07/08/2014 1949				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-39093-5	Analysis Batch:	240-137675	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944787.D
Dilution:	6.25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2014 2011			Final Weight/Volume:	5 mL
Prep Date:	07/08/2014 2011				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	99	103	68 - 121	4	30		
1,1,2,2-Tetrachloroethane	96	100	63 - 122	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	108	109	70 - 152	1	30		
1,1,2-Trichloroethane	97	90	75 - 120	7	30		
1,1-Dichloroethane	91	91	79 - 120	0	30		
1,1-Dichloroethene	98	99	74 - 135	2	30		
1,2,4-Trichlorobenzene	85	93	38 - 138	9	30		
1,2-Dibromo-3-Chloropropane	84	97	32 - 139	15	30		
Ethylene Dibromide	94	90	74 - 120	4	30		
1,2-Dichlorobenzene	87	91	75 - 120	5	30		
1,2-Dichloroethane	95	97	68 - 129	1	30		
1,2-Dichloropropane	91	97	78 - 120	6	30		
1,3-Dichlorobenzene	88	97	73 - 120	9	30		
1,4-Dichlorobenzene	88	89	75 - 120	1	30		
2-Butanone (MEK)	70	71	54 - 129	1	30		
2-Hexanone	92	86	47 - 139	6	30		
4-Methyl-2-pentanone (MIBK)	87	89	56 - 131	2	30		
Acetone	86	90	33 - 145	1	30		
Benzene	99	98	72 - 121	0	30		
Dichlorobromomethane	97	94	67 - 120	4	30		
Bromoform	81	76	32 - 128	6	30		
Bromomethane	95	85	10 - 186	10	30		
Carbon disulfide	105	105	57 - 147	0	30		
Carbon tetrachloride	99	101	59 - 129	1	30		
Chlorobenzene	99	94	80 - 120	5	30		
Chloroethane	90	89	21 - 165	1	30		
Chloroform	97	97	76 - 120	0	30		
Chloromethane	103	99	33 - 132	4	30		
cis-1,2-Dichloroethene	72	84	70 - 120	3	30		
cis-1,3-Dichloropropene	101	99	51 - 120	3	30		
Cyclohexane	100	97	49 - 123	3	30		
Chlorodibromomethane	97	95	56 - 120	2	30		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-39093-1
Sdg Number: Existing MW Network

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-137675

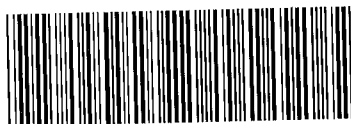
Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-39093-5	Analysis Batch:	240-137675	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944786.D
Dilution:	6.25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2014 1949			Final Weight/Volume:	5 mL
Prep Date:	07/08/2014 1949				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-39093-5	Analysis Batch:	240-137675	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944787.D
Dilution:	6.25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/08/2014 2011			Final Weight/Volume:	5 mL
Prep Date:	07/08/2014 2011				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	91	89	17 - 128	2	30		
Ethylbenzene	95	92	75 - 120	2	30		
Isopropylbenzene	98	94	68 - 120	5	30		
Methyl acetate	90	88	47 - 130	2	30		
Methyl tert-butyl ether	91	92	46 - 144	1	30		
Methylcyclohexane	90	98	49 - 127	8	30		
Methylene Chloride	91	94	63 - 128	4	30		
Styrene	108	102	71 - 120	6	30		
Tetrachloroethene	101	101	70 - 120	0	30		
Toluene	101	97	78 - 120	4	30		
trans-1,2-Dichloroethene	100	101	80 - 120	0	30		
trans-1,3-Dichloropropene	108	103	46 - 120	5	30		
Trichloroethene	94	98	66 - 120	4	30		
Trichlorofluoromethane	98	98	46 - 157	0	30		
Vinyl chloride	102	96	49 - 130	5	30		
Xylenes, Total	102	99	76 - 120	3	30		
m-Xylene & p-Xylene	107	98	75 - 120	8	30		
o-Xylene	98	100	76 - 120	2	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	101		97		74 - 120		
Dibromofluoromethane (Surr)	90		92		75 - 121		
4-Bromofluorobenzene (Surr)	91		91		66 - 120		
1,2-Dichloroethane-d4 (Surr)	92		85		63 - 129		

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-39093 Chain of Custody

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 39093

Canton Facility

Client Ensafé

Site Name _____

Cooler unpacked by:

Jessie BonoiCooler Received on 7/1/14Opened on 7/1/14FedEx: 1st Grd ☒ Exp ☐ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____TestAmerica Cooler # _____ Foam Box ☒ Client Cooler ☐ Box ☐ Other _____Packing material used: Bubble Wrap ☐ Foam ☐ Plastic Bag ☐ None ☐ Other _____COOLANT: Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. 3.0 °C Corrected Cooler Temp. 3.0 °C

IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +0 °C) Observed Cooler Temp. 3.0 °C Corrected Cooler Temp. 3.0 °C☐ See Multiple Cooler Form2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1Yes ☒ 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 ☐ NApH Strip Lot# HC302587

11. Were VOAs on the COC?

Yes ☒ No ☐

12. Were air bubbles >6 mm in any VOA vials?

Yes ☒ No ☐ NA

13. Was a trip blank present in the cooler(s)?

Yes ☒ No ☐Contacted PM ALMDate 7/1/14by GBvia Verbal Voice Mail ☒ Other ☐

Concerning _____

email

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

Received 3x40 vials for sample ID MW20W6063014 -
6/30/14 9:00 not on chain. will log.

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

ANALYTICAL REPORT

Job Number: 240-38985-1

SDG Number: Former TR1 Wells

Job Description: 2014 Annual GW Monitoring

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
7/14/2014 9:45 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/14/2014

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-38985-1

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

The 8082A Polychlorinated Biphenyls analysis was performed at the TestAmerica Buffalo laboratory.

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

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

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

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

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

RECEIPT

The samples were received on 6/27/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 5.6° C and 6.0° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MW26WG062514 (240-38985-1), MW28WG062514 (240-38985-2), MW29WG062514 (240-38985-3), MW27WG062514 (240-38985-4) and MW32WG062514 (240-38985-5) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/01/2014 and 07/02/2014.

Samples MW28WG062514 (240-38985-2)[2X], MW29WG062514 (240-38985-3)[5X] and MW32WG062514 (240-38985-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-136917/5 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 additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW26WG062514 (240-38985-1), MW28WG062514 (240-38985-2), MW29WG062514 (240-38985-3), MW27WG062514 (240-38985-4) and MW32WG062514 (240-38985-5) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 07/01/2014 and 07/09/2014 and analyzed on 07/02/2014 and 07/10/2014.

All primary data is reported from the ZB-5 column.

PCB-1248 and Polychlorinated biphenyls, Total were detected in method blank MB 480-190679/1-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The method blank for preparation batch 190679 contained Aroclor 1248 above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38985-1

Sdg Number: Former TR1 Wells

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38985-1	MW26WG062514					
1,1-Dichloroethane		2.5		1.0	ug/L	8260C
1,1-Dichloroethene		0.67	J	1.0	ug/L	8260C
1,4-Dichlorobenzene		0.84	J	1.0	ug/L	8260C
Carbon disulfide		1.6		1.0	ug/L	8260C
cis-1,2-Dichloroethene		5.0		1.0	ug/L	8260C
Tetrachloroethene		0.33	J	1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.19	J	1.0	ug/L	8260C
Trichloroethene		7.0		1.0	ug/L	8260C
Trichlorofluoromethane		3.2		1.0	ug/L	8260C
Vinyl chloride		4.3		1.0	ug/L	8260C
PCB-1254		0.039	J	0.057	ug/L	8082A
Polychlorinated biphenyls, Total		0.039	J	0.057	ug/L	8082A
240-38985-2	MW28WG062514					
1,1,1-Trichloroethane		1.6	J	2.0	ug/L	8260C
1,1-Dichloroethane		15		2.0	ug/L	8260C
1,4-Dichlorobenzene		1.2	J	2.0	ug/L	8260C
Carbon disulfide		3.0		2.0	ug/L	8260C
cis-1,2-Dichloroethene		59		2.0	ug/L	8260C
Methylene Chloride		1.3	J B	2.0	ug/L	8260C
Tetrachloroethene		1.2	J	2.0	ug/L	8260C
trans-1,2-Dichloroethene		0.49	J	2.0	ug/L	8260C
Trichloroethene		78		2.0	ug/L	8260C
PCB-1260		0.061		0.057	ug/L	8082A
Polychlorinated biphenyls, Total		0.061	B	0.057	ug/L	8082A
240-38985-3	MW29WG062514					
1,1,1-Trichloroethane		1.8	J	5.0	ug/L	8260C
1,1-Dichloroethane		12		5.0	ug/L	8260C
1,1-Dichloroethene		1.7	J	5.0	ug/L	8260C
cis-1,2-Dichloroethene		27		5.0	ug/L	8260C
Methylene Chloride		3.7	J B	5.0	ug/L	8260C
Trichloroethene		390		5.0	ug/L	8260C
Vinyl chloride		2.2	J	5.0	ug/L	8260C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38985-4	MW27WG062514					
1,1,1-Trichloroethane		2.0		1.0	ug/L	8260C
1,1-Dichloroethane		23		1.0	ug/L	8260C
1,1-Dichloroethene		4.2		1.0	ug/L	8260C
Chloroethane		0.71	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		15		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.67	J	1.0	ug/L	8260C
Trichloroethene		74		1.0	ug/L	8260C
Vinyl chloride		4.6		1.0	ug/L	8260C
240-38985-5	MW32WG062514					
1,1,1-Trichloroethane		13		5.0	ug/L	8260C
1,1-Dichloroethane		190		5.0	ug/L	8260C
1,1-Dichloroethene		12		5.0	ug/L	8260C
1,2-Dichlorobenzene		1.0	J	5.0	ug/L	8260C
Carbon disulfide		7.3		5.0	ug/L	8260C
Chloroethane		3.1	J	5.0	ug/L	8260C
cis-1,2-Dichloroethene		110		5.0	ug/L	8260C
Methylene Chloride		4.3	J B	5.0	ug/L	8260C
Toluene		3.3	J	5.0	ug/L	8260C
trans-1,2-Dichloroethene		1.6	J	5.0	ug/L	8260C
Trichloroethene		42		5.0	ug/L	8260C
Vinyl chloride		39		5.0	ug/L	8260C

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

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
Polychlorinated Biphenyls (PCBs) (GC)	TAL BUF	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

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: 240-38985-1
Sdg Number: Former TR1 Wells

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1
SW846 8082A	Evers, David L	DLE

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-38985-1	MW26WG062514	Water	06/25/2014 1210	06/27/2014 0940
240-38985-2	MW28WG062514	Water	06/25/2014 1430	06/27/2014 0940
240-38985-3	MW29WG062514	Water	06/25/2014 1630	06/27/2014 0940
240-38985-4	MW27WG062514	Water	06/25/2014 1300	06/27/2014 0940
240-38985-5	MW32WG062514	Water	06/25/2014 1520	06/27/2014 0940

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW26WG062514

Lab Sample ID: 240-38985-1

Date Sampled: 06/25/2014 1210

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944628.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2023			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2023				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	2.5		0.15	1.0
1,1-Dichloroethene	0.67	J	0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	0.84	J	0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	1.6		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	5.0		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	0.33	J	0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.19	J	0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	7.0		0.17	1.0
Trichlorofluoromethane	3.2		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW26WG062514**

Lab Sample ID: 240-38985-1

Date Sampled: 06/25/2014 1210

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944628.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2023			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2023				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	4.3		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		74 - 120
Dibromofluoromethane (Surr)	95		75 - 121
4-Bromofluorobenzene (Surr)	86		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW26WG062514

Lab Sample ID: 240-38985-1

Client Matrix: Water

Date Sampled: 06/25/2014 1210

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944628.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2023

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2023

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-	7.12	2.1	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW28WG062514

Lab Sample ID: 240-38985-2

Date Sampled: 06/25/2014 1430

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944648.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0401			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.6	J	0.44	2.0
1,1,2,2-Tetrachloroethane	ND		0.36	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.56	2.0
1,1,2-Trichloroethane	ND		0.54	2.0
1,1-Dichloroethane	15		0.30	2.0
1,1-Dichloroethene	ND		0.38	2.0
1,2,4-Trichlorobenzene	ND		0.30	2.0
1,2-Dibromo-3-Chloropropane	ND		1.3	4.0
Ethylene Dibromide	ND		0.48	2.0
1,2-Dichlorobenzene	ND		0.26	2.0
1,2-Dichloroethane	ND		0.44	2.0
1,2-Dichloropropane	ND		0.36	2.0
1,3-Dichlorobenzene	ND		0.28	2.0
1,4-Dichlorobenzene	1.2	J	0.26	2.0
2-Butanone (MEK)	ND		1.1	20
2-Hexanone	ND		0.82	20
4-Methyl-2-pentanone (MIBK)	ND		0.64	20
Acetone	ND		2.2	20
Benzene	ND		0.26	2.0
Dichlorobromomethane	ND		0.30	2.0
Bromoform	ND		1.3	2.0
Bromomethane	ND		0.82	2.0
Carbon disulfide	3.0		0.26	2.0
Carbon tetrachloride	ND		0.26	2.0
Chlorobenzene	ND		0.30	2.0
Chloroethane	ND		0.58	2.0
Chloroform	ND		0.32	2.0
Chloromethane	ND		0.60	2.0
cis-1,2-Dichloroethene	59		0.34	2.0
cis-1,3-Dichloropropene	ND		0.28	2.0
Cyclohexane	ND		0.24	2.0
Chlorodibromomethane	ND		0.36	2.0
Dichlorodifluoromethane	ND		0.62	2.0
Ethylbenzene	ND		0.34	2.0
Isopropylbenzene	ND		0.26	2.0
Methyl acetate	ND		0.76	20
Methyl tert-butyl ether	ND		0.34	2.0
Methylcyclohexane	ND		0.26	2.0
Methylene Chloride	1.3	J B	0.66	2.0
Styrene	ND		0.22	2.0
Tetrachloroethene	1.2	J	0.58	2.0
Toluene	ND		0.26	2.0
trans-1,2-Dichloroethene	0.49	J	0.38	2.0
trans-1,3-Dichloropropene	ND		0.38	2.0
Trichloroethene	78		0.34	2.0
Trichlorofluoromethane	ND		0.42	2.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW28WG062514**Lab Sample ID: 240-38985-2
Client Matrix: WaterDate Sampled: 06/25/2014 1430
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944648.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0401			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.44	2.0
Xylenes, Total	ND		0.28	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	91		66 - 120
1,2-Dichloroethane-d4 (Surr)	87		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW28WG062514

Lab Sample ID: 240-38985-2

Client Matrix: Water

Date Sampled: 06/25/2014 1430

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944648.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0401			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0401				

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-	7.12	8.4	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW29WG062514

Lab Sample ID: 240-38985-3

Date Sampled: 06/25/2014 1630

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944630.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2110			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2110				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.8	J	1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.90	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	5.0
1,1,2-Trichloroethane	ND		1.4	5.0
1,1-Dichloroethane	12		0.75	5.0
1,1-Dichloroethene	1.7	J	0.95	5.0
1,2,4-Trichlorobenzene	ND		0.75	5.0
1,2-Dibromo-3-Chloropropane	ND		3.4	10
Ethylene Dibromide	ND		1.2	5.0
1,2-Dichlorobenzene	ND		0.65	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		0.90	5.0
1,3-Dichlorobenzene	ND		0.70	5.0
1,4-Dichlorobenzene	ND		0.65	5.0
2-Butanone (MEK)	ND		2.9	50
2-Hexanone	ND		2.1	50
4-Methyl-2-pentanone (MIBK)	ND		1.6	50
Acetone	ND		5.5	50
Benzene	ND		0.65	5.0
Dichlorobromomethane	ND		0.75	5.0
Bromoform	ND		3.2	5.0
Bromomethane	ND		2.1	5.0
Carbon disulfide	ND		0.65	5.0
Carbon tetrachloride	ND		0.65	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		1.5	5.0
Chloroform	ND		0.80	5.0
Chloromethane	ND		1.5	5.0
cis-1,2-Dichloroethene	27		0.85	5.0
cis-1,3-Dichloropropene	ND		0.70	5.0
Cyclohexane	ND		0.60	5.0
Chlorodibromomethane	ND		0.90	5.0
Dichlorodifluoromethane	ND		1.6	5.0
Ethylbenzene	ND		0.85	5.0
Isopropylbenzene	ND		0.65	5.0
Methyl acetate	ND		1.9	50
Methyl tert-butyl ether	ND		0.85	5.0
Methylcyclohexane	ND		0.65	5.0
Methylene Chloride	3.7	J B	1.7	5.0
Styrene	ND		0.55	5.0
Tetrachloroethene	ND		1.5	5.0
Toluene	ND		0.65	5.0
trans-1,2-Dichloroethene	ND		0.95	5.0
trans-1,3-Dichloropropene	ND		0.95	5.0
Trichloroethene	390		0.85	5.0
Trichlorofluoromethane	ND		1.1	5.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW29WG062514**Lab Sample ID: 240-38985-3
Client Matrix: WaterDate Sampled: 06/25/2014 1630
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944630.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2110			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2110				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2.2	J	1.1	5.0
Xylenes, Total	ND		0.70	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	89		75 - 121
4-Bromofluorobenzene (Surr)	90		66 - 120
1,2-Dichloroethane-d4 (Surr)	87		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW29WG062514**

Lab Sample ID: 240-38985-3

Date Sampled: 06/25/2014 1630

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944630.D

Dilution: 5.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2110

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2110

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-	7.12	18	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW27WG062514

Lab Sample ID: 240-38985-4
Client Matrix: WaterDate Sampled: 06/25/2014 1300
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944631.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2133			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2133				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	2.0		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	23		0.15	1.0
1,1-Dichloroethene	4.2		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	0.71	J	0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	15		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.67	J	0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	74		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW27WG062514

Lab Sample ID: 240-38985-4
Client Matrix: WaterDate Sampled: 06/25/2014 1300
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944631.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2133			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2133				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	4.6		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	92		74 - 120
Dibromofluoromethane (Surr)	91		75 - 121
4-Bromofluorobenzene (Surr)	86		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW27WG062514

Lab Sample ID: 240-38985-4

Client Matrix: Water

Date Sampled: 06/25/2014 1300

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944631.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2133

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2133

Tentatively Identified Compounds

Number TIC's Found: 1

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-43-4	Methane, dichlorofluoro-	2.47	5.7	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW32WG062514

Lab Sample ID: 240-38985-5
Client Matrix: Water

Date Sampled: 06/25/2014 1520
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944632.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2154			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2154				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	13		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.90	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	5.0
1,1,2-Trichloroethane	ND		1.4	5.0
1,1-Dichloroethane	190		0.75	5.0
1,1-Dichloroethene	12		0.95	5.0
1,2,4-Trichlorobenzene	ND		0.75	5.0
1,2-Dibromo-3-Chloropropane	ND		3.4	10
Ethylene Dibromide	ND		1.2	5.0
1,2-Dichlorobenzene	1.0	J	0.65	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		0.90	5.0
1,3-Dichlorobenzene	ND		0.70	5.0
1,4-Dichlorobenzene	ND		0.65	5.0
2-Butanone (MEK)	ND		2.9	50
2-Hexanone	ND		2.1	50
4-Methyl-2-pentanone (MIBK)	ND		1.6	50
Acetone	ND		5.5	50
Benzene	ND		0.65	5.0
Dichlorobromomethane	ND		0.75	5.0
Bromoform	ND		3.2	5.0
Bromomethane	ND		2.1	5.0
Carbon disulfide	7.3		0.65	5.0
Carbon tetrachloride	ND		0.65	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	3.1	J	1.5	5.0
Chloroform	ND		0.80	5.0
Chloromethane	ND		1.5	5.0
cis-1,2-Dichloroethene	110		0.85	5.0
cis-1,3-Dichloropropene	ND		0.70	5.0
Cyclohexane	ND		0.60	5.0
Chlorodibromomethane	ND		0.90	5.0
Dichlorodifluoromethane	ND		1.6	5.0
Ethylbenzene	ND		0.85	5.0
Isopropylbenzene	ND		0.65	5.0
Methyl acetate	ND		1.9	50
Methyl tert-butyl ether	ND		0.85	5.0
Methylcyclohexane	ND		0.65	5.0
Methylene Chloride	4.3	J B	1.7	5.0
Styrene	ND		0.55	5.0
Tetrachloroethene	ND		1.5	5.0
Toluene	3.3	J	0.65	5.0
trans-1,2-Dichloroethene	1.6	J	0.95	5.0
trans-1,3-Dichloropropene	ND		0.95	5.0
Trichloroethene	42		0.85	5.0
Trichlorofluoromethane	ND		1.1	5.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW32WG062514

Lab Sample ID: 240-38985-5

Date Sampled: 06/25/2014 1520

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944632.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2154			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2154				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	39		1.1	5.0
Xylenes, Total	ND		0.70	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		74 - 120
Dibromofluoromethane (Surr)	98		75 - 121
4-Bromofluorobenzene (Surr)	92		66 - 120
1,2-Dichloroethane-d4 (Surr)	87		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW32WG062514

Lab Sample ID: 240-38985-5

Client Matrix: Water

Date Sampled: 06/25/2014 1520

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944632.D

Dilution: 5.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2154

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2154

Tentatively Identified Compounds

Number TIC's Found: 1

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
91-20-3	Naphthalene	12.43	28	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW26WG062514

Lab Sample ID: 240-38985-1
Client Matrix: WaterDate Sampled: 06/25/2014 1210
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-192087	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-191797	Initial Weight/Volume:	1049.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/10/2014 1538			Injection Volume:	1 uL
Prep Date:	07/09/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	0.039	J	0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	0.039	J	0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		10 - 158
Tetrachloro-m-xylene	86		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW28WG062514

Lab Sample ID: 240-38985-2
Client Matrix: WaterDate Sampled: 06/25/2014 1430
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1047.8 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1351			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	0.061		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	0.061	B	0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	27		10 - 158
Tetrachloro-m-xylene	77		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW29WG062514

Lab Sample ID: 240-38985-3
Client Matrix: WaterDate Sampled: 06/25/2014 1630
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1047.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1407			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	60		10 - 158
Tetrachloro-m-xylene	101		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW27WG062514

Lab Sample ID: 240-38985-4
Client Matrix: WaterDate Sampled: 06/25/2014 1300
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	979.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1423			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.039	0.061
PCB-1221	ND		0.039	0.061
PCB-1232	ND		0.039	0.061
PCB-1242	ND		0.039	0.061
PCB-1248	ND		0.039	0.061
PCB-1254	ND		0.032	0.061
PCB-1260	ND		0.032	0.061
PCB-1262	ND		0.032	0.061
PCB-1268	ND		0.032	0.061
Polychlorinated biphenyls, Total	ND		0.039	0.061

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	56		10 - 158
Tetrachloro-m-xylene	91		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW32WG062514

Lab Sample ID: 240-38985-5
Client Matrix: WaterDate Sampled: 06/25/2014 1520
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1048.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1439			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	54		10 - 158
Tetrachloro-m-xylene	94		25 - 151

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

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 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.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1

Sdg Number: Former TR1 Wells

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-136917					
LCS 240-136917/6	Lab Control Sample	T	Water	8260C	
MB 240-136917/5	Method Blank	T	Water	8260C	
240-38985-1	MW26WG062514	T	Water	8260C	
240-38985-2	MW28WG062514	T	Water	8260C	
240-38985-3	MW29WG062514	T	Water	8260C	
240-38985-4	MW27WG062514	T	Water	8260C	
240-38985-5	MW32WG062514	T	Water	8260C	

Report Basis

T = Total

GC Semi VOA

Prep Batch: 480-190679					
LCS 480-190679/2-A	Lab Control Sample	T	Water	3510C	
MB 480-190679/1-A	Method Blank	T	Water	3510C	
240-38985-2	MW28WG062514	T	Water	3510C	
240-38985-3	MW29WG062514	T	Water	3510C	
240-38985-4	MW27WG062514	T	Water	3510C	
240-38985-5	MW32WG062514	T	Water	3510C	
Analysis Batch:480-190911					
LCS 480-190679/2-A	Lab Control Sample	T	Water	8082A	480-190679
MB 480-190679/1-A	Method Blank	T	Water	8082A	480-190679
240-38985-2	MW28WG062514	T	Water	8082A	480-190679
240-38985-3	MW29WG062514	T	Water	8082A	480-190679
240-38985-4	MW27WG062514	T	Water	8082A	480-190679
240-38985-5	MW32WG062514	T	Water	8082A	480-190679
Prep Batch: 480-191797					
LCS 480-191797/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-191797/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-191797/1-A	Method Blank	T	Water	3510C	
240-38985-1	MW26WG062514	T	Water	3510C	
Analysis Batch:480-192087					
LCS 480-191797/2-A	Lab Control Sample	T	Water	8082A	480-191797
LCSD 480-191797/3-A	Lab Control Sample Duplicate	T	Water	8082A	480-191797
MB 480-191797/1-A	Method Blank	T	Water	8082A	480-191797
240-38985-1	MW26WG062514	T	Water	8082A	480-191797

Report Basis

T = Total

TestAmerica Canton

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-38985-1	MW26WG062514	94	95	86	86
240-38985-2	MW28WG062514	94	92	91	87
240-38985-3	MW29WG062514	95	89	90	87
240-38985-4	MW27WG062514	92	91	86	86
240-38985-5	MW32WG062514	98	98	92	87
MB 240-136917/5		96	92	88	86
LCS 240-136917/6		100	93	93	88

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
240-38985-1	MW26WG062514	61	86
240-38985-2	MW28WG062514	27	77
240-38985-3	MW29WG062514	60	101
240-38985-4	MW27WG062514	56	91
240-38985-5	MW32WG062514	54	94
MB 480-190679/1-A		62	98
MB 480-191797/1-A		96	84
LCS 480-190679/2-A		27	104
LCS 480-191797/2-A		74	88
LCSD 480-191797/3-A		78	87

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	10-158
TCX = Tetrachloro-m-xylene	25-151

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 240-136917

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136917/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 2000
Prep Date: 07/01/2014 2000
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944627.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.453	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 240-136917

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-136917/5	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944627.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2000	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2000				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	92	75 - 121
4-Bromofluorobenzene (Surr)	88	66 - 120
1,2-Dichloroethane-d4 (Surr)	86	63 - 129

Method Blank TICs- Batch: 240-136917

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Lab Control Sample - Batch: 240-136917

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136917/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1851
Prep Date: 07/01/2014 1851
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944624.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.8	109	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	23.0	115	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.9	114	74 - 151	
1,1,2-Trichloroethane	20.0	21.3	107	80 - 120	
1,1-Dichloroethane	20.0	21.7	109	80 - 120	
1,1-Dichloroethene	20.0	21.5	108	78 - 131	
1,2,4-Trichlorobenzene	20.0	19.9	100	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	24.8	124	42 - 136	
Ethylene Dibromide	20.0	20.8	104	79 - 120	
1,2-Dichlorobenzene	20.0	19.2	96	80 - 120	
1,2-Dichloroethane	20.0	21.1	105	71 - 127	
1,2-Dichloropropane	20.0	20.3	101	80 - 120	
1,3-Dichlorobenzene	20.0	20.2	101	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
2-Butanone (MEK)	40.0	38.2	95	60 - 126	
2-Hexanone	40.0	46.6	117	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	42.8	107	63 - 128	
Acetone	40.0	37.3	93	43 - 136	
Benzene	20.0	21.3	107	80 - 120	
Dichlorobromomethane	20.0	21.0	105	72 - 121	
Bromoform	20.0	19.4	97	40 - 131	
Bromomethane	20.0	19.2	96	11 - 185	
Carbon disulfide	20.0	23.0	115	62 - 142	
Carbon tetrachloride	20.0	21.6	108	66 - 128	
Chlorobenzene	20.0	20.4	102	80 - 120	
Chloroethane	20.0	19.0	95	25 - 153	
Chloroform	20.0	20.8	104	79 - 120	
Chloromethane	20.0	20.3	102	44 - 126	
cis-1,2-Dichloroethene	20.0	20.1	100	80 - 120	
cis-1,3-Dichloropropene	20.0	22.0	110	61 - 120	
Cyclohexane	20.0	21.5	107	54 - 121	
Chlorodibromomethane	20.0	22.4	112	64 - 120	
Dichlorodifluoromethane	20.0	16.3	81	19 - 129	
Ethylbenzene	20.0	20.8	104	80 - 120	
Isopropylbenzene	20.0	20.4	102	75 - 120	
Methyl acetate	100	108	108	58 - 131	
Methyl tert-butyl ether	20.0	22.5	112	52 - 144	
Methylcyclohexane	20.0	18.8	94	56 - 127	
Methylene Chloride	20.0	20.5	102	66 - 131	
Styrene	20.0	22.5	113	79 - 120	
Tetrachloroethene	20.0	21.5	108	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Lab Control Sample - Batch: 240-136917

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136917/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1851
Prep Date: 07/01/2014 1851
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944624.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.5	108	80 - 120	
trans-1,2-Dichloroethene	20.0	20.9	104	80 - 120	
trans-1,3-Dichloropropene	20.0	23.8	119	58 - 120	
Trichloroethene	20.0	21.4	107	76 - 120	
Trichlorofluoromethane	20.0	20.1	100	49 - 157	
Vinyl chloride	20.0	20.8	104	53 - 127	
Xylenes, Total	40.0	43.6	109	80 - 120	
m-Xylene & p-Xylene	20.0	22.3	111	80 - 120	
o-Xylene	20.0	21.3	106	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		74 - 120		
Dibromofluoromethane (Surr)	93		75 - 121		
4-Bromofluorobenzene (Surr)	93		66 - 120		
1,2-Dichloroethane-d4 (Surr)	88		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 480-190679

Method: 8082A Preparation: 3510C

Lab Sample ID: MB 480-190679/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1232
Prep Date: 07/01/2014 0742
Leach Date: N/A

Analysis Batch: 480-190911
Prep Batch: 480-190679
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_258.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.038	0.060
PCB-1221	ND		0.038	0.060
PCB-1232	ND		0.038	0.060
PCB-1242	ND		0.038	0.060
PCB-1248	0.0801		0.038	0.060
PCB-1254	ND		0.031	0.060
PCB-1260	ND		0.031	0.060
PCB-1262	ND		0.031	0.060
PCB-1268	ND		0.031	0.060
Polychlorinated biphenyls, Total	0.0801		0.038	0.060

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	62	10 - 158
Tetrachloro-m-xylene	98	25 - 151

Lab Control Sample - Batch: 480-190679

Method: 8082A Preparation: 3510C

Lab Sample ID: LCS 480-190679/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1247
Prep Date: 07/01/2014 0742
Leach Date: N/A

Analysis Batch: 480-190911
Prep Batch: 480-190679
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_259.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	1.00	0.873	87	48 - 162	
PCB-1260	1.00	0.678	68	38 - 148	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	27	10 - 158
Tetrachloro-m-xylene	104	25 - 151

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38985-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 480-191797

Method: 8082A Preparation: 3510C

Lab Sample ID: MB 480-191797/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/10/2014 1019
Prep Date: 07/09/2014 0805
Leach Date: N/A

Analysis Batch: 480-192087
Prep Batch: 480-191797
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_338_244.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.038	0.060
PCB-1221	ND		0.038	0.060
PCB-1232	ND		0.038	0.060
PCB-1242	ND		0.038	0.060
PCB-1248	ND		0.038	0.060
PCB-1254	ND		0.031	0.060
PCB-1260	ND		0.031	0.060
PCB-1262	ND		0.031	0.060
PCB-1268	ND		0.031	0.060
Polychlorinated biphenyls, Total	ND		0.038	0.060

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	10 - 158
Tetrachloro-m-xylene	84	25 - 151

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 480-191797

Method: 8082A Preparation: 3510C

LCS Lab Sample ID: LCS 480-191797/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/10/2014 1035
Prep Date: 07/09/2014 0805
Leach Date: N/A

Analysis Batch: 480-192087
Prep Batch: 480-191797
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_338_245.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

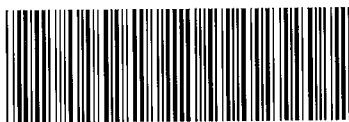
LCSD Lab Sample ID: LCSD 480-191797/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/10/2014 1051
Prep Date: 07/09/2014 0805
Leach Date: N/A

Analysis Batch: 480-192087
Prep Batch: 480-191797
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_338_246.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	95	93	48 - 162	2	50		
PCB-1260	108	107	38 - 148	1	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	74		78		10 - 158		
Tetrachloro-m-xylene	88		87		25 - 151		

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-38985 Chain of Custody

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD															
Project Name:		Former TR 1 Wells		COC No.		Page		of							
Site Location:		UTC-Carrier - Syracuse		PO No.		Project No. 15668		Phase 02 Task							
Sampler/Site Phone#:		M. Crawford 315.283.8871		Lab Name		TA - N. Contoy		Sample Analysis Requested (Fill in the number of containers for each test)							
Sampler: M. Crawford		M. Gragg		Email: Sgoodnight@enseafe.com		Total No. of Containers		<--Preservative Type (3)							
Send Results To: Shane Goodnight		Data Shipping Address:		Email Results(check): Yes No		Deliverable (check): Level 2 Level 3 Level 4 TX TRRP-13		Sample Shipment and Delivery Details							
Sample ID (sys_samp_code)		Location ID (sys_loc_code)		Date (mm/dd/yy)		Time (Military) (hhmm)		Matrix Code (1)		Sample Type (2)		Field Filtered (Y/N)		Remarks	
MW26WG062514	MW26	6-25-14	1210	WG	N	N									
MW28WG062514	MW28	1430	1430	WG	N	N									
MW29WG062514	MW29	1630	1630	WG	N	N									
MW27WG062514	MW27	1300	1300	WG	N	N									
MW32WG062514	MW32	1520	1520	WG	N	N									
Turnaround Time(specify): Final days Email (if applicable) days															
Field Comments:															
Lab Comments:															
Relinquished by (signature)															
Date Time															
Received by (signature)															
Date Time															
Number of coolers in shipment:															
Samples Iced?(check) Yes No															
Method of Shipment:															
Airbill No:															
Date Shipped:															

(1) **Matrix Code:** AA=Air, AQ=Air Quality Control Matrix, DC=Drill Cuttings, GS=Soil/Gas, LD=Drilling Fluid, LF=Free Product, LH=Liquid Waste, Oil=Oil, SB=Bentonite, SC=Cement, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid Quality Control Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, TQ=Tissue Quality Control Matrix, U=Unknown, WA=Aqueous Drill Cuttings, WE=Estuary, WG=Miscellaneous Water, WO=Leachate, WS=Surface Water, WW=Waste Water

(2) **Sample Type:** AB=Ambient blank, EB=Equipment blank, FR=Field Duplicate Sample, FR=Field Blank, FD=Field Duplicate Control Matrix, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

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

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 38985

Client <u>Ensafe</u>	Site Name _____	Cooler unpacked by: <u>[Signature]</u>
Cooler Received on <u>6-27-14</u>	Opened on <u>6-27-14</u>	
FedEx: 1 st Grd <u>Exp</u> UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____		
TestAmerica Cooler # _____ Foam Box Client Cooler Box <u>Other</u>		
Packing material used: <u>Bubble Wrap</u> Foam Plastic Bag None Other _____		
COOLANT: <u>Wet Ice</u> Blue Ice Dry Ice Water None		
1. Cooler temperature upon receipt IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C IR GUN# 5 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C IR GUN# 8 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C		
☒ See Multiple Cooler Form		
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity <u>2</u> Yes No -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA -Were custody seals on the bottle(s)? Yes <u>No</u>		
3. Shippers' packing slip attached to the cooler(s)? <u>Yes</u> No		
4. Did custody papers accompany the sample(s)? <u>Yes</u> No		
5. Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> No		
6. Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> <u>No</u>		
7. Could all bottle labels be reconciled with the COC? <u>Yes</u> No		
8. Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> No		
9. Sufficient quantity received to perform indicated analyses? <u>Yes</u> No		
10. Were sample(s) at the correct pH upon receipt? Yes No <u>NA</u> pH Strip Lot# <u>HC302587</u>		
11. Were VOAs on the COC? <u>Yes</u> No		
12. Were air bubbles >6 mm in any VOA vials? Yes <u>No</u> NA		
13. Was a trip blank present in the cooler(s)? Yes <u>No</u>		
Contacted PM <u>ALM</u> Date <u>6/27/14</u> by <u>JB</u> via Verbal Voice Mail <u>Other</u> <u>email</u> Concerning _____		

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [Signature]

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) 1x70 (unw-20) were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

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

[illegible]

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-38985-1
SDG Number: Former TR1 Wells

Login Number: 38985

List Number: 2

Creator: Robison, Zachary J

List Source: TestAmerica Buffalo

List Creation: 06/30/14 03:07 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 240-38997-1

SDG Number: Former TR1 Wells

Job Description: 2014 Annual GW Monitoring

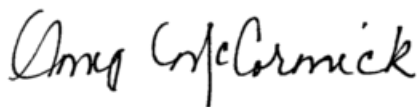
For:

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
7/17/2014 2:41 PM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/17/2014

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-38997-1

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

The 8082A Polychlorinated Biphenyls analysis was performed at the TestAmerica Buffalo laboratory.

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

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

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

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

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

RECEIPT

The samples were received on 6/27/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the four coolers at receipt time were 1.2° C, 2.4° C, 2.6° C and 3.4° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MW30WG062614 (240-38997-1), MW35DWG062614 (240-38997-2), MW37WG062614 (240-38997-3), MW40DWG062614 (240-38997-4), MW24WG062614 (240-38997-5), MW34WG062614 (240-38997-6), MW31WG062614 (240-38997-7), MW39WG062614 (240-38997-8), MW38WG062614 (240-38997-9) and MW23WG062614 (240-38997-10) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/01/2014 and 07/02/2014.

Samples MW37WG062614 (240-38997-3)[2500X], MW24WG062614 (240-38997-5)[200X], MW31WG062614 (240-38997-7)[2X], MW39WG062614 (240-38997-8)[4X] and MW23WG062614 (240-38997-10)[200X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-136917/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride was detected in method blank MB 240-137089/5 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 continuing calibration verification (CCV) for analytical batch 137089 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected compounds. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW30WG062614 (240-38997-1), MW35DWG062614 (240-38997-2), MW37WG062614 (240-38997-3), MW40DWG062614 (240-38997-4), MW24WG062614 (240-38997-5), MW34WG062614 (240-38997-6), MW31WG062614 (240-38997-7), MW39WG062614 (240-38997-8), MW38WG062614 (240-38997-9) and MW23WG062614 (240-38997-10) were analyzed for polychlorinated biphenyls

(PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 07/01/2014 and 07/09/2014 and analyzed on 07/02/2014 and 07/10/2014.

All primary data is reported from the ZB-5 column.

PCB-1248 and Polychlorinated biphenyls, Total were detected in method blank MB 480-190679/1-A at levels exceeding the reporting limit. None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38997-1

Sdg Number: Former TR1 Wells

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38997-1	MW30WG062614					
1,1-Dichloroethane		8.7		1.0	ug/L	8260C
1,1-Dichloroethene		0.24	J	1.0	ug/L	8260C
1,2-Dichlorobenzene		0.34	J	1.0	ug/L	8260C
1,4-Dichlorobenzene		0.15	J	1.0	ug/L	8260C
Acetone		2.4	J	10	ug/L	8260C
Carbon disulfide		1.4		1.0	ug/L	8260C
Chloroethane		1.1		1.0	ug/L	8260C
cis-1,2-Dichloroethene		7.8		1.0	ug/L	8260C
Ethylbenzene		0.52	J	1.0	ug/L	8260C
Tetrachloroethene		0.36	J	1.0	ug/L	8260C
Toluene		0.20	J	1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.58	J	1.0	ug/L	8260C
Trichloroethene		9.6		1.0	ug/L	8260C
Vinyl chloride		7.1		1.0	ug/L	8260C
Xylenes, Total		0.41	J	2.0	ug/L	8260C
240-38997-3	MW37WG062614					
cis-1,2-Dichloroethene		870	J	2500	ug/L	8260C
Methylene Chloride		2100	J B	2500	ug/L	8260C
Trichloroethene		68000		2500	ug/L	8260C
240-38997-5	MW24WG062614					
1,1-Dichloroethane		140	J	200	ug/L	8260C
1,1-Dichloroethene		77	J	200	ug/L	8260C
cis-1,2-Dichloroethene		6000		200	ug/L	8260C
Methylene Chloride		210	B	200	ug/L	8260C
Trichloroethene		100	J	200	ug/L	8260C
Vinyl chloride		44	J	200	ug/L	8260C
240-38997-6	MW34WG062614					
1,1-Dichloroethane		11		1.0	ug/L	8260C
1,2-Dichlorobenzene		0.43	J	1.0	ug/L	8260C
1,4-Dichlorobenzene		0.25	J	1.0	ug/L	8260C
Chloroethane		1.8		1.0	ug/L	8260C
cis-1,2-Dichloroethene		3.3		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.67	J	1.0	ug/L	8260C
Trichloroethene		2.1		1.0	ug/L	8260C
Vinyl chloride		3.5		1.0	ug/L	8260C
Xylenes, Total		0.23	J	2.0	ug/L	8260C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38997-7	MW31WG062614					
1,1-Dichloroethane		21		2.0	ug/L	8260C
1,1-Dichloroethene		0.94	J	2.0	ug/L	8260C
Chloroethane		3.7		2.0	ug/L	8260C
cis-1,2-Dichloroethene		19		2.0	ug/L	8260C
Ethylbenzene		0.44	J	2.0	ug/L	8260C
Methylene Chloride		0.72	J B	2.0	ug/L	8260C
Tetrachloroethene		0.64	J	2.0	ug/L	8260C
Toluene		0.40	J	2.0	ug/L	8260C
trans-1,2-Dichloroethene		1.4	J	2.0	ug/L	8260C
Trichloroethene		76		2.0	ug/L	8260C
Vinyl chloride		3.6		2.0	ug/L	8260C
Xylenes, Total		0.38	J	4.0	ug/L	8260C
240-38997-8	MW39WG062614					
cis-1,2-Dichloroethene		37		4.0	ug/L	8260C
Methylene Chloride		3.5	J B	4.0	ug/L	8260C
trans-1,2-Dichloroethene		1.2	J	4.0	ug/L	8260C
Trichloroethene		100		4.0	ug/L	8260C
Vinyl chloride		1.6	J	4.0	ug/L	8260C
240-38997-9	MW38WG062614					
cis-1,2-Dichloroethene		1.1		1.0	ug/L	8260C
Trichloroethene		7.6		1.0	ug/L	8260C
Trichlorofluoromethane		10		1.0	ug/L	8260C
PCB-1248		0.047	J	0.057	ug/L	8082A
PCB-1254		0.12		0.057	ug/L	8082A
PCB-1260		0.036	J	0.057	ug/L	8082A
Polychlorinated biphenyls, Total		0.20		0.057	ug/L	8082A
240-38997-10	MW23WG062614					
1,1,1-Trichloroethane		190	J	200	ug/L	8260C
1,1-Dichloroethane		270		200	ug/L	8260C
1,1-Dichloroethene		94	J	200	ug/L	8260C
cis-1,2-Dichloroethene		8000		200	ug/L	8260C
Methylene Chloride		88	J B	200	ug/L	8260C
Toluene		140	J	200	ug/L	8260C
Trichloroethene		660		200	ug/L	8260C
Vinyl chloride		570		200	ug/L	8260C
PCB-1248		0.040	J	0.057	ug/L	8082A
PCB-1254		0.051	J	0.057	ug/L	8082A
Polychlorinated biphenyls, Total		0.091		0.057	ug/L	8082A

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

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
Polychlorinated Biphenyls (PCBs) (GC)	TAL BUF	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

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: 240-38997-1
Sdg Number: Former TR1 Wells

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1
SW846 8082A	Evers, David L	DLE

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-38997-1	MW30WG062614	Water	06/26/2014 0830	06/27/2014 0940
240-38997-2	MW35DWG062614	Water	06/26/2014 1100	06/27/2014 0940
240-38997-3	MW37WG062614	Water	06/26/2014 1300	06/27/2014 0940
240-38997-4	MW40DWG062614	Water	06/26/2014 1500	06/27/2014 0940
240-38997-5	MW24WG062614	Water	06/26/2014 1700	06/27/2014 0940
240-38997-6	MW34WG062614	Water	06/26/2014 0840	06/27/2014 0940
240-38997-7	MW31WG062614	Water	06/26/2014 1030	06/27/2014 0940
240-38997-8	MW39WG062614	Water	06/26/2014 1315	06/27/2014 0940
240-38997-9	MW38WG062614	Water	06/26/2014 1530	06/27/2014 0940
240-38997-10	MW23WG062614	Water	06/26/2014 1725	06/27/2014 0940

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW30WG062614

Lab Sample ID: 240-38997-1

Date Sampled: 06/26/2014 0830

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944633.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2217			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2217				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	8.7		0.15	1.0
1,1-Dichloroethene	0.24	J	0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	0.34	J	0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	0.15	J	0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	2.4	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	1.4		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	1.1		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	7.8		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	0.52	J	0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	0.36	J	0.29	1.0
Toluene	0.20	J	0.13	1.0
trans-1,2-Dichloroethene	0.58	J	0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	9.6		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW30WG062614

Lab Sample ID: 240-38997-1

Date Sampled: 06/26/2014 0830

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944633.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2217			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2217				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	7.1		0.22	1.0
Xylenes, Total	0.41	J	0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	93		75 - 121
4-Bromofluorobenzene (Surr)	89		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW30WG062614

Lab Sample ID: 240-38997-1
Client Matrix: WaterDate Sampled: 06/26/2014 0830
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944633.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2217			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2217				

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-	7.12	20	T J N
99-87-6	Benzene, 1-methyl-4-(1-methylethyl)-	10.92	17	T J N
1005-64-7	Benzene, 1-butenyl-, (E)-	11.03	28	T J N
95-93-2	Benzene, 1,2,4,5-tetramethyl-	11.31	34	T J N
95-93-2	Benzene, 1,2,4,5-tetramethyl-	11.36	43	T J N
1560-06-1	Benzene, 2-butenyl-	11.64	13	T J N
767-58-8	Indan, 1-methyl-	11.80	43	T J N
20836-11-7	1H-Indene,2,3-dihydro-2,2-dimethyl-	12.17	22	T J N
97664-18-1	Benzene, 1-methyl-4-(1-methyl-2-propenyl)	12.28	23	T J N
91-20-3	Naphthalene	12.44	17	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW35DWG062614

Lab Sample ID: 240-38997-2

Date Sampled: 06/26/2014 1100

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944634.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2238			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2238				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW35DWG062614

Lab Sample ID: 240-38997-2

Date Sampled: 06/26/2014 1100

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944634.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2238			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2238				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW35DWG062614

Lab Sample ID: 240-38997-2

Client Matrix: Water

Date Sampled: 06/26/2014 1100

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944634.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2238

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2238

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW37WG062614

Lab Sample ID: 240-38997-3

Date Sampled: 06/26/2014 1300

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944635.D
Dilution:	2500			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2301			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2301				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		550	2500
1,1,2,2-Tetrachloroethane	ND		450	2500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		700	2500
1,1,2-Trichloroethane	ND		680	2500
1,1-Dichloroethane	ND		380	2500
1,1-Dichloroethene	ND		480	2500
1,2,4-Trichlorobenzene	ND		380	2500
1,2-Dibromo-3-Chloropropane	ND		1700	5000
Ethylene Dibromide	ND		600	2500
1,2-Dichlorobenzene	ND		330	2500
1,2-Dichloroethane	ND		550	2500
1,2-Dichloropropane	ND		450	2500
1,3-Dichlorobenzene	ND		350	2500
1,4-Dichlorobenzene	ND		330	2500
2-Butanone (MEK)	ND		1400	25000
2-Hexanone	ND		1000	25000
4-Methyl-2-pentanone (MIBK)	ND		800	25000
Acetone	ND		2800	25000
Benzene	ND		330	2500
Dichlorobromomethane	ND		380	2500
Bromoform	ND		1600	2500
Bromomethane	ND		1000	2500
Carbon disulfide	ND		330	2500
Carbon tetrachloride	ND		330	2500
Chlorobenzene	ND		380	2500
Chloroethane	ND		730	2500
Chloroform	ND		400	2500
Chloromethane	ND		750	2500
cis-1,2-Dichloroethene	870	J	430	2500
cis-1,3-Dichloropropene	ND		350	2500
Cyclohexane	ND		300	2500
Chlorodibromomethane	ND		450	2500
Dichlorodifluoromethane	ND		780	2500
Ethylbenzene	ND		430	2500
Isopropylbenzene	ND		330	2500
Methyl acetate	ND		950	25000
Methyl tert-butyl ether	ND		430	2500
Methylcyclohexane	ND		330	2500
Methylene Chloride	2100	J B	830	2500
Styrene	ND		280	2500
Tetrachloroethene	ND		730	2500
Toluene	ND		330	2500
trans-1,2-Dichloroethene	ND		480	2500
trans-1,3-Dichloropropene	ND		480	2500
Trichloroethene	68000		430	2500
Trichlorofluoromethane	ND		530	2500

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW37WG062614**Lab Sample ID: 240-38997-3
Client Matrix: WaterDate Sampled: 06/26/2014 1300
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944635.D
Dilution:	2500			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2301			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2301				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	89		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW37WG062614

Lab Sample ID: 240-38997-3

Client Matrix: Water

Date Sampled: 06/26/2014 1300

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944635.D

Dilution: 2500

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2301

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2301

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW40DWG062614

Lab Sample ID: 240-38997-4

Date Sampled: 06/26/2014 1500

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944636.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2324			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2324				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW40DWG062614

Lab Sample ID: 240-38997-4
Client Matrix: WaterDate Sampled: 06/26/2014 1500
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944636.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2324			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2324				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	93		75 - 121
4-Bromofluorobenzene (Surr)	89		66 - 120
1,2-Dichloroethane-d4 (Surr)	85		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW40DWG062614

Lab Sample ID: 240-38997-4

Client Matrix: Water

Date Sampled: 06/26/2014 1500

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944636.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2324

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2324

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW24WG062614

Lab Sample ID: 240-38997-5
Client Matrix: Water

Date Sampled: 06/26/2014 1700
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944637.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2347			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2347				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		44	200
1,1,2,2-Tetrachloroethane	ND		36	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		56	200
1,1,2-Trichloroethane	ND		54	200
1,1-Dichloroethane	140	J	30	200
1,1-Dichloroethene	77	J	38	200
1,2,4-Trichlorobenzene	ND		30	200
1,2-Dibromo-3-Chloropropane	ND		130	400
Ethylene Dibromide	ND		48	200
1,2-Dichlorobenzene	ND		26	200
1,2-Dichloroethane	ND		44	200
1,2-Dichloropropane	ND		36	200
1,3-Dichlorobenzene	ND		28	200
1,4-Dichlorobenzene	ND		26	200
2-Butanone (MEK)	ND		110	2000
2-Hexanone	ND		82	2000
4-Methyl-2-pentanone (MIBK)	ND		64	2000
Acetone	ND		220	2000
Benzene	ND		26	200
Dichlorobromomethane	ND		30	200
Bromoform	ND		130	200
Bromomethane	ND		82	200
Carbon disulfide	ND		26	200
Carbon tetrachloride	ND		26	200
Chlorobenzene	ND		30	200
Chloroethane	ND		58	200
Chloroform	ND		32	200
Chloromethane	ND		60	200
cis-1,2-Dichloroethene	6000		34	200
cis-1,3-Dichloropropene	ND		28	200
Cyclohexane	ND		24	200
Chlorodibromomethane	ND		36	200
Dichlorodifluoromethane	ND		62	200
Ethylbenzene	ND		34	200
Isopropylbenzene	ND		26	200
Methyl acetate	ND		76	2000
Methyl tert-butyl ether	ND		34	200
Methylcyclohexane	ND		26	200
Methylene Chloride	210	B	66	200
Styrene	ND		22	200
Tetrachloroethene	ND		58	200
Toluene	ND		26	200
trans-1,2-Dichloroethene	ND		38	200
trans-1,3-Dichloropropene	ND		38	200
Trichloroethene	100	J	34	200
Trichlorofluoromethane	ND		42	200

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW24WG062614**Lab Sample ID: 240-38997-5
Client Matrix: WaterDate Sampled: 06/26/2014 1700
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944637.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2347			Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2347				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	44	J	44	200
Xylenes, Total	ND		28	400

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	92		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	84		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW24WG062614

Lab Sample ID: 240-38997-5

Client Matrix: Water

Date Sampled: 06/26/2014 1700

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944637.D

Dilution: 200

Initial Weight/Volume: 5 mL

Analysis Date: 07/01/2014 2347

Final Weight/Volume: 5 mL

Prep Date: 07/01/2014 2347

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW34WG062614

Lab Sample ID: 240-38997-6

Date Sampled: 06/26/2014 0840

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944638.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0010			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0010				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	11		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	0.43	J	0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	0.25	J	0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	1.8		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	3.3		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.67	J	0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	2.1		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW34WG062614

Lab Sample ID: 240-38997-6

Date Sampled: 06/26/2014 0840

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944638.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0010			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0010				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	3.5		0.22	1.0
Xylenes, Total	0.23	J	0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	94		75 - 121
4-Bromofluorobenzene (Surr)	83		66 - 120
1,2-Dichloroethane-d4 (Surr)	83		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW34WG062614

Lab Sample ID: 240-38997-6
Client Matrix: WaterDate Sampled: 06/26/2014 0840
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944638.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0010			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0010				

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-	7.12	69	T J N
496-11-7	Indane	10.47	11	T J N
493-02-7	Naphthalene, decahydro-, trans-	10.56	10	T J N
27831-13-6	Benzene, 4-ethenyl-1,2-dimethyl-	10.96	8.2	T J N
767-58-8	Indan, 1-methyl-	11.03	26	T J N
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethyl-	11.21	10	T J N
95-93-2	Benzene, 1,2,4,5-tetramethyl-	11.31	20	T J N
767-58-8	Indan, 1-methyl-	11.80	42	T J N
17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-	12.17	19	T J N
17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	12.28	26	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW31WG062614

Lab Sample ID: 240-38997-7

Date Sampled: 06/26/2014 1030

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944684.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 2120			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 2120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.44	2.0
1,1,2,2-Tetrachloroethane	ND		0.36	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.56	2.0
1,1,2-Trichloroethane	ND		0.54	2.0
1,1-Dichloroethane	21		0.30	2.0
1,1-Dichloroethene	0.94	J	0.38	2.0
1,2,4-Trichlorobenzene	ND		0.30	2.0
1,2-Dibromo-3-Chloropropane	ND		1.3	4.0
Ethylene Dibromide	ND		0.48	2.0
1,2-Dichlorobenzene	ND		0.26	2.0
1,2-Dichloroethane	ND		0.44	2.0
1,2-Dichloropropane	ND		0.36	2.0
1,3-Dichlorobenzene	ND		0.28	2.0
1,4-Dichlorobenzene	ND		0.26	2.0
2-Butanone (MEK)	ND		1.1	20
2-Hexanone	ND		0.82	20
4-Methyl-2-pentanone (MIBK)	ND		0.64	20
Acetone	ND		2.2	20
Benzene	ND		0.26	2.0
Dichlorobromomethane	ND		0.30	2.0
Bromoform	ND		1.3	2.0
Bromomethane	ND		0.82	2.0
Carbon disulfide	ND		0.26	2.0
Carbon tetrachloride	ND		0.26	2.0
Chlorobenzene	ND		0.30	2.0
Chloroethane	3.7		0.58	2.0
Chloroform	ND		0.32	2.0
Chloromethane	ND		0.60	2.0
cis-1,2-Dichloroethene	19		0.34	2.0
cis-1,3-Dichloropropene	ND		0.28	2.0
Cyclohexane	ND		0.24	2.0
Chlorodibromomethane	ND		0.36	2.0
Dichlorodifluoromethane	ND		0.62	2.0
Ethylbenzene	0.44	J	0.34	2.0
Isopropylbenzene	ND		0.26	2.0
Methyl acetate	ND		0.76	20
Methyl tert-butyl ether	ND		0.34	2.0
Methylcyclohexane	ND		0.26	2.0
Methylene Chloride	0.72	J B	0.66	2.0
Styrene	ND		0.22	2.0
Tetrachloroethene	0.64	J	0.58	2.0
Toluene	0.40	J	0.26	2.0
trans-1,2-Dichloroethene	1.4	J	0.38	2.0
trans-1,3-Dichloropropene	ND		0.38	2.0
Trichloroethene	76		0.34	2.0
Trichlorofluoromethane	ND		0.42	2.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW31WG062614**Lab Sample ID: 240-38997-7
Client Matrix: WaterDate Sampled: 06/26/2014 1030
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944684.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 2120			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 2120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	3.6		0.44	2.0
Xylenes, Total	0.38	J	0.28	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW31WG062614

Lab Sample ID: 240-38997-7
Client Matrix: WaterDate Sampled: 06/26/2014 1030
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944684.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 2120			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 2120				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
135-01-3	Benzene, 1,2-diethyl-	10.54	31	T J N
2870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	10.84	52	T J N
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	10.91	46	T J N
1595-16-0	Benzene, 1-methyl-4-(1-methylpropyl)-	11.05	51	T J N
95-93-2	Benzene, 1,2,4,5-tetramethyl-	11.31	60	T J N
488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.36	85	T J N
2049-95-8	Benzene, (1,1-dimethylpropyl)-	11.44	33	T J N
99-87-6	Benzene, 1-methyl-4-(1-methylethyl)-	11.79	91	T J N
17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	12.17	42	T J N
20836-11-7	1H-Indene,2,3-dihydro-2,2-dimethyl-	12.28	43	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW39WG062614

Lab Sample ID: 240-38997-8
Client Matrix: Water

Date Sampled: 06/26/2014 1315
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944640.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0056			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0056				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.88	4.0
1,1,2,2-Tetrachloroethane	ND		0.72	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.0
1,1,2-Trichloroethane	ND		1.1	4.0
1,1-Dichloroethane	ND		0.60	4.0
1,1-Dichloroethene	ND		0.76	4.0
1,2,4-Trichlorobenzene	ND		0.60	4.0
1,2-Dibromo-3-Chloropropane	ND		2.7	8.0
Ethylene Dibromide	ND		0.96	4.0
1,2-Dichlorobenzene	ND		0.52	4.0
1,2-Dichloroethane	ND		0.88	4.0
1,2-Dichloropropane	ND		0.72	4.0
1,3-Dichlorobenzene	ND		0.56	4.0
1,4-Dichlorobenzene	ND		0.52	4.0
2-Butanone (MEK)	ND		2.3	40
2-Hexanone	ND		1.6	40
4-Methyl-2-pentanone (MIBK)	ND		1.3	40
Acetone	ND		4.4	40
Benzene	ND		0.52	4.0
Dichlorobromomethane	ND		0.60	4.0
Bromoform	ND		2.6	4.0
Bromomethane	ND		1.6	4.0
Carbon disulfide	ND		0.52	4.0
Carbon tetrachloride	ND		0.52	4.0
Chlorobenzene	ND		0.60	4.0
Chloroethane	ND		1.2	4.0
Chloroform	ND		0.64	4.0
Chloromethane	ND		1.2	4.0
cis-1,2-Dichloroethene	37		0.68	4.0
cis-1,3-Dichloropropene	ND		0.56	4.0
Cyclohexane	ND		0.48	4.0
Chlorodibromomethane	ND		0.72	4.0
Dichlorodifluoromethane	ND		1.2	4.0
Ethylbenzene	ND		0.68	4.0
Isopropylbenzene	ND		0.52	4.0
Methyl acetate	ND		1.5	40
Methyl tert-butyl ether	ND		0.68	4.0
Methylcyclohexane	ND		0.52	4.0
Methylene Chloride	3.5	J B	1.3	4.0
Styrene	ND		0.44	4.0
Tetrachloroethene	ND		1.2	4.0
Toluene	ND		0.52	4.0
trans-1,2-Dichloroethene	1.2	J	0.76	4.0
trans-1,3-Dichloropropene	ND		0.76	4.0
Trichloroethene	100		0.68	4.0
Trichlorofluoromethane	ND		0.84	4.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW39WG062614**Lab Sample ID: 240-38997-8
Client Matrix: WaterDate Sampled: 06/26/2014 1315
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944640.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0056			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0056				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1.6	J	0.88	4.0
Xylenes, Total	ND		0.56	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		74 - 120
Dibromofluoromethane (Surr)	87		75 - 121
4-Bromofluorobenzene (Surr)	92		66 - 120
1,2-Dichloroethane-d4 (Surr)	85		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW39WG062614

Lab Sample ID: 240-38997-8

Client Matrix: Water

Date Sampled: 06/26/2014 1315

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944640.D

Dilution: 4.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 0056

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 0056

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW38WG062614

Lab Sample ID: 240-38997-9

Date Sampled: 06/26/2014 1530

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944641.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0120			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0120				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	1.1		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	7.6		0.17	1.0
Trichlorofluoromethane	10		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW38WG062614

Lab Sample ID: 240-38997-9

Date Sampled: 06/26/2014 1530

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944641.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0120			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0120				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	87		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW38WG062614

Lab Sample ID: 240-38997-9

Client Matrix: Water

Date Sampled: 06/26/2014 1530

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944641.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 0120

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 0120

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW23WG062614

Lab Sample ID: 240-38997-10
Client Matrix: Water

Date Sampled: 06/26/2014 1725
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944685.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 2141			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 2141				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	190	J	44	200
1,1,2,2-Tetrachloroethane	ND		36	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		56	200
1,1,2-Trichloroethane	ND		54	200
1,1-Dichloroethane	270		30	200
1,1-Dichloroethene	94	J	38	200
1,2,4-Trichlorobenzene	ND		30	200
1,2-Dibromo-3-Chloropropane	ND		130	400
Ethylene Dibromide	ND		48	200
1,2-Dichlorobenzene	ND		26	200
1,2-Dichloroethane	ND		44	200
1,2-Dichloropropane	ND		36	200
1,3-Dichlorobenzene	ND		28	200
1,4-Dichlorobenzene	ND		26	200
2-Butanone (MEK)	ND		110	2000
2-Hexanone	ND		82	2000
4-Methyl-2-pentanone (MIBK)	ND		64	2000
Acetone	ND		220	2000
Benzene	ND		26	200
Dichlorobromomethane	ND		30	200
Bromoform	ND		130	200
Bromomethane	ND		82	200
Carbon disulfide	ND		26	200
Carbon tetrachloride	ND		26	200
Chlorobenzene	ND		30	200
Chloroethane	ND		58	200
Chloroform	ND		32	200
Chloromethane	ND		60	200
cis-1,2-Dichloroethene	8000		34	200
cis-1,3-Dichloropropene	ND		28	200
Cyclohexane	ND		24	200
Chlorodibromomethane	ND		36	200
Dichlorodifluoromethane	ND		62	200
Ethylbenzene	ND		34	200
Isopropylbenzene	ND		26	200
Methyl acetate	ND		76	2000
Methyl tert-butyl ether	ND		34	200
Methylcyclohexane	ND		26	200
Methylene Chloride	88	J B	66	200
Styrene	ND		22	200
Tetrachloroethene	ND		58	200
Toluene	140	J	26	200
trans-1,2-Dichloroethene	ND		38	200
trans-1,3-Dichloropropene	ND		38	200
Trichloroethene	660		34	200
Trichlorofluoromethane	ND		42	200

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells**Client Sample ID: MW23WG062614**Lab Sample ID: 240-38997-10
Client Matrix: WaterDate Sampled: 06/26/2014 1725
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944685.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 2141			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 2141				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	570		44	200
Xylenes, Total	ND		28	400

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		74 - 120
Dibromofluoromethane (Surr)	90		75 - 121
4-Bromofluorobenzene (Surr)	85		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW23WG062614

Lab Sample ID: 240-38997-10
Client Matrix: Water

Date Sampled: 06/26/2014 1725
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137089	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944685.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 2141			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 2141				

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

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW30WG062614

Lab Sample ID: 240-38997-1
Client Matrix: WaterDate Sampled: 06/26/2014 0830
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1049.8 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1455			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	48		10 - 158
Tetrachloro-m-xylene	92		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW35DWG062614

Lab Sample ID: 240-38997-2
Client Matrix: WaterDate Sampled: 06/26/2014 1100
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1050.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1543			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		10 - 158
Tetrachloro-m-xylene	109		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW37WG062614

Lab Sample ID: 240-38997-3
Client Matrix: WaterDate Sampled: 06/26/2014 1300
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1053.8 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1559			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	76		10 - 158
Tetrachloro-m-xylene	100		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW40DWG062614

Lab Sample ID: 240-38997-4
Client Matrix: WaterDate Sampled: 06/26/2014 1500
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1054 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1615			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		10 - 158
Tetrachloro-m-xylene	96		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW24WG062614

Lab Sample ID: 240-38997-5
Client Matrix: WaterDate Sampled: 06/26/2014 1700
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1051.3 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1630			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		10 - 158
Tetrachloro-m-xylene	105		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW34WG062614

Lab Sample ID: 240-38997-6
Client Matrix: WaterDate Sampled: 06/26/2014 0840
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-192087	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-191797	Initial Weight/Volume:	1052.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/10/2014 1609			Injection Volume:	1 uL
Prep Date:	07/09/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	84		10 - 158
Tetrachloro-m-xylene	92		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW31WG062614

Lab Sample ID: 240-38997-7
Client Matrix: WaterDate Sampled: 06/26/2014 1030
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1050.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1702			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		10 - 158
Tetrachloro-m-xylene	92		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW39WG062614

Lab Sample ID: 240-38997-8
Client Matrix: WaterDate Sampled: 06/26/2014 1315
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190911	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190679	Initial Weight/Volume:	1056.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/02/2014 1718			Injection Volume:	1 uL
Prep Date:	07/01/2014 0742			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79		10 - 158
Tetrachloro-m-xylene	96		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW38WG062614

Lab Sample ID: 240-38997-9
Client Matrix: WaterDate Sampled: 06/26/2014 1530
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-192087	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-191797	Initial Weight/Volume:	1046.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/10/2014 1625			Injection Volume:	1 uL
Prep Date:	07/09/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	0.047	J	0.036	0.057
PCB-1254	0.12		0.030	0.057
PCB-1260	0.036	J	0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	0.20		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37		10 - 158
Tetrachloro-m-xylene	88		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Client Sample ID: MW23WG062614

Lab Sample ID: 240-38997-10
Client Matrix: WaterDate Sampled: 06/26/2014 1725
Date Received: 06/27/2014 0940**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-192087	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-191797	Initial Weight/Volume:	1047.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/10/2014 1641			Injection Volume:	1 uL
Prep Date:	07/09/2014 0805			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	0.040	J	0.036	0.057
PCB-1254	0.051	J	0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	0.091		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		10 - 158
Tetrachloro-m-xylene	88		25 - 151

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

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 Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1

Sdg Number: Former TR1 Wells

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-136917					
LCS 240-136917/6	Lab Control Sample	T	Water	8260C	
MB 240-136917/5	Method Blank	T	Water	8260C	
240-38997-1	MW30WG062614	T	Water	8260C	
240-38997-2	MW35DWG062614	T	Water	8260C	
240-38997-3	MW37WG062614	T	Water	8260C	
240-38997-4	MW40DWG062614	T	Water	8260C	
240-38997-5	MW24WG062614	T	Water	8260C	
240-38997-5MS	Matrix Spike	T	Water	8260C	
240-38997-5MSD	Matrix Spike Duplicate	T	Water	8260C	
240-38997-6	MW34WG062614	T	Water	8260C	
240-38997-8	MW39WG062614	T	Water	8260C	
240-38997-9	MW38WG062614	T	Water	8260C	
Analysis Batch:240-137089					
LCS 240-137089/6	Lab Control Sample	T	Water	8260C	
MB 240-137089/5	Method Blank	T	Water	8260C	
240-38997-7	MW31WG062614	T	Water	8260C	
240-38997-10	MW23WG062614	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1

Sdg Number: Former TR1 Wells

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-190679					
LCS 480-190679/2-A	Lab Control Sample	T	Water	3510C	
MB 480-190679/1-A	Method Blank	T	Water	3510C	
240-38997-1	MW30WG062614	T	Water	3510C	
240-38997-2	MW35DWG062614	T	Water	3510C	
240-38997-3	MW37WG062614	T	Water	3510C	
240-38997-4	MW40DWG062614	T	Water	3510C	
240-38997-5	MW24WG062614	T	Water	3510C	
240-38997-7	MW31WG062614	T	Water	3510C	
240-38997-8	MW39WG062614	T	Water	3510C	
Analysis Batch:480-190911					
LCS 480-190679/2-A	Lab Control Sample	T	Water	8082A	480-190679
MB 480-190679/1-A	Method Blank	T	Water	8082A	480-190679
240-38997-1	MW30WG062614	T	Water	8082A	480-190679
240-38997-2	MW35DWG062614	T	Water	8082A	480-190679
240-38997-3	MW37WG062614	T	Water	8082A	480-190679
240-38997-4	MW40DWG062614	T	Water	8082A	480-190679
240-38997-5	MW24WG062614	T	Water	8082A	480-190679
240-38997-7	MW31WG062614	T	Water	8082A	480-190679
240-38997-8	MW39WG062614	T	Water	8082A	480-190679
Prep Batch: 480-191797					
LCS 480-191797/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-191797/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-191797/1-A	Method Blank	T	Water	3510C	
240-38997-6	MW34WG062614	T	Water	3510C	
240-38997-9	MW38WG062614	T	Water	3510C	
240-38997-10	MW23WG062614	T	Water	3510C	
Analysis Batch:480-192087					
LCS 480-191797/2-A	Lab Control Sample	T	Water	8082A	480-191797
LCSD 480-191797/3-A	Lab Control Sample Duplicate	T	Water	8082A	480-191797
MB 480-191797/1-A	Method Blank	T	Water	8082A	480-191797
240-38997-6	MW34WG062614	T	Water	8082A	480-191797
240-38997-9	MW38WG062614	T	Water	8082A	480-191797
240-38997-10	MW23WG062614	T	Water	8082A	480-191797

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-38997-1	MW30WG062614	95	93	89	88
240-38997-2	MW35DWG062614	94	92	88	89
240-38997-3	MW37WG062614	98	92	89	86
240-38997-4	MW40DWG062614	96	93	89	85
240-38997-5	MW24WG062614	92	92	84	86
240-38997-6	MW34WG062614	95	94	83	83
240-38997-7	MW31WG062614	96	92	88	89
240-38997-8	MW39WG062614	100	87	92	85
240-38997-9	MW38WG062614	95	92	88	87
240-38997-10	MW23WG062614	94	90	85	88
MB 240-136917/5		96	92	88	86
MB 240-137089/5		96	88	85	84
LCS 240-136917/6		100	93	93	88
LCS 240-137089/6		99	98	92	87
240-38997-5 MS	MW24WG062614 MS	99	94	91	83
240-38997-5 MSD	MW24WG062614 MSD	99	91	94	81

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
240-38997-1	MW30WG062614	48	92
240-38997-2	MW35DWG062614	90	109
240-38997-3	MW37WG062614	76	100
240-38997-4	MW40DWG062614	81	96
240-38997-5	MW24WG062614	80	105
240-38997-6	MW34WG062614	84	92
240-38997-7	MW31WG062614	55	92
240-38997-8	MW39WG062614	79	96
240-38997-9	MW38WG062614	37	88
240-38997-10	MW23WG062614	65	88
MB 480-190679/1-A		62	98
MB 480-191797/1-A		96	84
LCS 480-190679/2-A		27	104
LCS 480-191797/2-A		74	88
LCSD 480-191797/3-A		78	87

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	10-158
TCX = Tetrachloro-m-xylene	25-151

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 240-136917

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136917/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 2000
Prep Date: 07/01/2014 2000
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944627.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.453	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 240-136917

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136917/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 2000
Prep Date: 07/01/2014 2000
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944627.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	92	75 - 121
4-Bromofluorobenzene (Surr)	88	66 - 120
1,2-Dichloroethane-d4 (Surr)	86	63 - 129

Method Blank TICs- Batch: 240-136917

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Lab Control Sample - Batch: 240-136917

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136917/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1851
Prep Date: 07/01/2014 1851
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944624.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.8	109	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	23.0	115	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.9	114	74 - 151	
1,1,2-Trichloroethane	20.0	21.3	107	80 - 120	
1,1-Dichloroethane	20.0	21.7	109	80 - 120	
1,1-Dichloroethene	20.0	21.5	108	78 - 131	
1,2,4-Trichlorobenzene	20.0	19.9	100	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	24.8	124	42 - 136	
Ethylene Dibromide	20.0	20.8	104	79 - 120	
1,2-Dichlorobenzene	20.0	19.2	96	80 - 120	
1,2-Dichloroethane	20.0	21.1	105	71 - 127	
1,2-Dichloropropane	20.0	20.3	101	80 - 120	
1,3-Dichlorobenzene	20.0	20.2	101	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
2-Butanone (MEK)	40.0	38.2	95	60 - 126	
2-Hexanone	40.0	46.6	117	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	42.8	107	63 - 128	
Acetone	40.0	37.3	93	43 - 136	
Benzene	20.0	21.3	107	80 - 120	
Dichlorobromomethane	20.0	21.0	105	72 - 121	
Bromoform	20.0	19.4	97	40 - 131	
Bromomethane	20.0	19.2	96	11 - 185	
Carbon disulfide	20.0	23.0	115	62 - 142	
Carbon tetrachloride	20.0	21.6	108	66 - 128	
Chlorobenzene	20.0	20.4	102	80 - 120	
Chloroethane	20.0	19.0	95	25 - 153	
Chloroform	20.0	20.8	104	79 - 120	
Chloromethane	20.0	20.3	102	44 - 126	
cis-1,2-Dichloroethene	20.0	20.1	100	80 - 120	
cis-1,3-Dichloropropene	20.0	22.0	110	61 - 120	
Cyclohexane	20.0	21.5	107	54 - 121	
Chlorodibromomethane	20.0	22.4	112	64 - 120	
Dichlorodifluoromethane	20.0	16.3	81	19 - 129	
Ethylbenzene	20.0	20.8	104	80 - 120	
Isopropylbenzene	20.0	20.4	102	75 - 120	
Methyl acetate	100	108	108	58 - 131	
Methyl tert-butyl ether	20.0	22.5	112	52 - 144	
Methylcyclohexane	20.0	18.8	94	56 - 127	
Methylene Chloride	20.0	20.5	102	66 - 131	
Styrene	20.0	22.5	113	79 - 120	
Tetrachloroethene	20.0	21.5	108	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Lab Control Sample - Batch: 240-136917

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136917/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1851
Prep Date: 07/01/2014 1851
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944624.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.5	108	80 - 120	
trans-1,2-Dichloroethene	20.0	20.9	104	80 - 120	
trans-1,3-Dichloropropene	20.0	23.8	119	58 - 120	
Trichloroethene	20.0	21.4	107	76 - 120	
Trichlorofluoromethane	20.0	20.1	100	49 - 157	
Vinyl chloride	20.0	20.8	104	53 - 127	
Xylenes, Total	40.0	43.6	109	80 - 120	
m-Xylene & p-Xylene	20.0	22.3	111	80 - 120	
o-Xylene	20.0	21.3	106	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		74 - 120		
Dibromofluoromethane (Surr)	93		75 - 121		
4-Bromofluorobenzene (Surr)	93		66 - 120		
1,2-Dichloroethane-d4 (Surr)	88		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-136917**

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

MS Lab Sample ID:	240-38997-5	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944649.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0424			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0424				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-38997-5	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944650.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0446			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0446				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	79	82	68 - 121	3	30		
1,1,2,2-Tetrachloroethane	88	96	63 - 122	8	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	95	100	70 - 152	5	30		
1,1,2-Trichloroethane	91	95	75 - 120	4	30		
1,1-Dichloroethane	93	89	79 - 120	5	30		
1,1-Dichloroethene	100	103	74 - 135	3	30		
1,2,4-Trichlorobenzene	86	94	38 - 138	8	30		
1,2-Dibromo-3-Chloropropane	75	85	32 - 139	12	30		
Ethylene Dibromide	93	96	74 - 120	3	30		
1,2-Dichlorobenzene	85	90	75 - 120	6	30		
1,2-Dichloroethane	96	95	68 - 129	1	30		
1,2-Dichloropropane	96	95	78 - 120	1	30		
1,3-Dichlorobenzene	92	97	73 - 120	6	30		
1,4-Dichlorobenzene	86	89	75 - 120	4	30		
2-Butanone (MEK)	71	73	54 - 129	2	30		
2-Hexanone	81	82	47 - 139	1	30		
4-Methyl-2-pentanone (MIBK)	81	80	56 - 131	1	30		
Acetone	66	65	33 - 145	2	30		
Benzene	100	99	72 - 121	1	30		
Dichlorobromomethane	96	95	67 - 120	1	30		
Bromoform	77	79	32 - 128	3	30		
Bromomethane	94	92	10 - 186	2	30		
Carbon disulfide	106	110	57 - 147	3	30		
Carbon tetrachloride	79	85	59 - 129	8	30		
Chlorobenzene	98	99	80 - 120	0	30		
Chloroethane	92	98	21 - 165	6	30		
Chloroform	98	99	76 - 120	1	30		
Chloromethane	98	101	33 - 132	3	30		
cis-1,2-Dichloroethene	95	93	70 - 120	1	30		
cis-1,3-Dichloropropene	99	99	51 - 120	1	30		
Cyclohexane	96	87	49 - 123	10	30		
Chlorodibromomethane	93	97	56 - 120	4	30		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-136917

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-38997-5	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944649.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0424			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0424				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-38997-5	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944650.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0446			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0446				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	71	69	17 - 128	2	30		
Ethylbenzene	96	98	75 - 120	2	30		
Isopropylbenzene	96	97	68 - 120	1	30		
Methyl acetate	85	84	47 - 130	1	30		
Methyl tert-butyl ether	90	92	46 - 144	3	30		
Methylcyclohexane	82	88	49 - 127	6	30		
Methylene Chloride	91	97	63 - 128	6	30		
Styrene	106	107	71 - 120	0	30		
Tetrachloroethene	101	101	70 - 120	0	30		
Toluene	100	101	78 - 120	2	30		
trans-1,2-Dichloroethene	103	104	80 - 120	1	30		
trans-1,3-Dichloropropene	107	108	46 - 120	1	30		
Trichloroethene	98	98	66 - 120	0	30		
Trichlorofluoromethane	87	94	46 - 157	7	30		
Vinyl chloride	98	101	49 - 130	3	30		
Xylenes, Total	102	103	76 - 120	1	30		
m-Xylene & p-Xylene	103	105	75 - 120	2	30		
o-Xylene	100	100	76 - 120	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	99	99	74 - 120
Dibromofluoromethane (Surr)	94	91	75 - 121
4-Bromofluorobenzene (Surr)	91	94	66 - 120
1,2-Dichloroethane-d4 (Surr)	83	81	63 - 129

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 240-137089

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-137089/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 2059
Prep Date: 07/02/2014 2059
Leach Date: N/A

Analysis Batch: 240-137089
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944683.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.405	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 240-137089

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-137089/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 2059
Prep Date: 07/02/2014 2059
Leach Date: N/A

Analysis Batch: 240-137089
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944683.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	88	75 - 121
4-Bromofluorobenzene (Surr)	85	66 - 120
1,2-Dichloroethane-d4 (Surr)	84	63 - 129

Method Blank TICs- Batch: 240-137089

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Lab Control Sample - Batch: 240-137089

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137089/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1954
Prep Date: 07/02/2014 1954
Leach Date: N/A

Analysis Batch: 240-137089
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944680.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	17.0	85	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	19.6	98	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.6	118	74 - 151	
1,1,2-Trichloroethane	20.0	19.7	98	80 - 120	
1,1-Dichloroethane	20.0	19.1	96	80 - 120	
1,1-Dichloroethene	20.0	21.6	108	78 - 131	
1,2,4-Trichlorobenzene	20.0	19.4	97	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	17.9	90	42 - 136	
Ethylene Dibromide	20.0	19.9	100	79 - 120	
1,2-Dichlorobenzene	20.0	19.3	97	80 - 120	
1,2-Dichloroethane	20.0	20.3	102	71 - 127	
1,2-Dichloropropane	20.0	20.4	102	80 - 120	
1,3-Dichlorobenzene	20.0	20.5	103	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
2-Butanone (MEK)	40.0	34.4	86	60 - 126	
2-Hexanone	40.0	36.0	90	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	36.0	90	63 - 128	
Acetone	40.0	31.3	78	43 - 136	
Benzene	20.0	20.6	103	80 - 120	
Dichlorobromomethane	20.0	20.6	103	72 - 121	
Bromoform	20.0	16.5	82	40 - 131	
Bromomethane	20.0	19.5	97	11 - 185	
Carbon disulfide	20.0	22.7	113	62 - 142	
Carbon tetrachloride	20.0	19.2	96	66 - 128	
Chlorobenzene	20.0	20.6	103	80 - 120	
Chloroethane	20.0	18.9	94	25 - 153	
Chloroform	20.0	20.4	102	79 - 120	
Chloromethane	20.0	20.4	102	44 - 126	
cis-1,2-Dichloroethene	20.0	20.3	101	80 - 120	
cis-1,3-Dichloropropene	20.0	21.2	106	61 - 120	
Cyclohexane	20.0	21.7	109	54 - 121	
Chlorodibromomethane	20.0	20.9	104	64 - 120	
Dichlorodifluoromethane	20.0	18.7	94	19 - 129	
Ethylbenzene	20.0	20.5	102	80 - 120	
Isopropylbenzene	20.0	20.7	103	75 - 120	
Methyl acetate	100	92.2	92	58 - 131	
Methyl tert-butyl ether	20.0	19.3	96	52 - 144	
Methylcyclohexane	20.0	20.1	100	56 - 127	
Methylene Chloride	20.0	20.2	101	66 - 131	
Styrene	20.0	22.4	112	79 - 120	
Tetrachloroethene	20.0	22.0	110	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Lab Control Sample - Batch: 240-137089

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137089/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1954
Prep Date: 07/02/2014 1954
Leach Date: N/A

Analysis Batch: 240-137089
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944680.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.0	105	80 - 120	
trans-1,2-Dichloroethene	20.0	22.2	111	80 - 120	
trans-1,3-Dichloropropene	20.0	22.8	114	58 - 120	
Trichloroethene	20.0	21.5	108	76 - 120	
Trichlorofluoromethane	20.0	19.7	99	49 - 157	
Vinyl chloride	20.0	22.0	110	53 - 127	
Xylenes, Total	40.0	43.1	108	80 - 120	
m-Xylene & p-Xylene	20.0	22.0	110	80 - 120	
o-Xylene	20.0	21.1	105	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	99		74 - 120		
Dibromofluoromethane (Surr)	98		75 - 121		
4-Bromofluorobenzene (Surr)	92		66 - 120		
1,2-Dichloroethane-d4 (Surr)	87		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 480-190679

Method: 8082A Preparation: 3510C

Lab Sample ID: MB 480-190679/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1232
Prep Date: 07/01/2014 0742
Leach Date: N/A

Analysis Batch: 480-190911
Prep Batch: 480-190679
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_258.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.038	0.060
PCB-1221	ND		0.038	0.060
PCB-1232	ND		0.038	0.060
PCB-1242	ND		0.038	0.060
PCB-1248	0.0801		0.038	0.060
PCB-1254	ND		0.031	0.060
PCB-1260	ND		0.031	0.060
PCB-1262	ND		0.031	0.060
PCB-1268	ND		0.031	0.060
Polychlorinated biphenyls, Total	0.0801		0.038	0.060

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	62	10 - 158
Tetrachloro-m-xylene	98	25 - 151

Lab Control Sample - Batch: 480-190679

Method: 8082A Preparation: 3510C

Lab Sample ID: LCS 480-190679/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1247
Prep Date: 07/01/2014 0742
Leach Date: N/A

Analysis Batch: 480-190911
Prep Batch: 480-190679
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_259.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	1.00	0.873	87	48 - 162	
PCB-1260	1.00	0.678	68	38 - 148	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	27	10 - 158
Tetrachloro-m-xylene	104	25 - 151

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38997-1
Sdg Number: Former TR1 Wells

Method Blank - Batch: 480-191797

Method: 8082A Preparation: 3510C

Lab Sample ID: MB 480-191797/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/10/2014 1019
Prep Date: 07/09/2014 0805
Leach Date: N/A

Analysis Batch: 480-192087
Prep Batch: 480-191797
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_338_244.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.038	0.060
PCB-1221	ND		0.038	0.060
PCB-1232	ND		0.038	0.060
PCB-1242	ND		0.038	0.060
PCB-1248	ND		0.038	0.060
PCB-1254	ND		0.031	0.060
PCB-1260	ND		0.031	0.060
PCB-1262	ND		0.031	0.060
PCB-1268	ND		0.031	0.060
Polychlorinated biphenyls, Total	ND		0.038	0.060

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	10 - 158
Tetrachloro-m-xylene	84	25 - 151

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 480-191797

Method: 8082A Preparation: 3510C

LCS Lab Sample ID: LCS 480-191797/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/10/2014 1035
Prep Date: 07/09/2014 0805
Leach Date: N/A

Analysis Batch: 480-192087
Prep Batch: 480-191797
Leach Batch: N/A
Units: ug/L

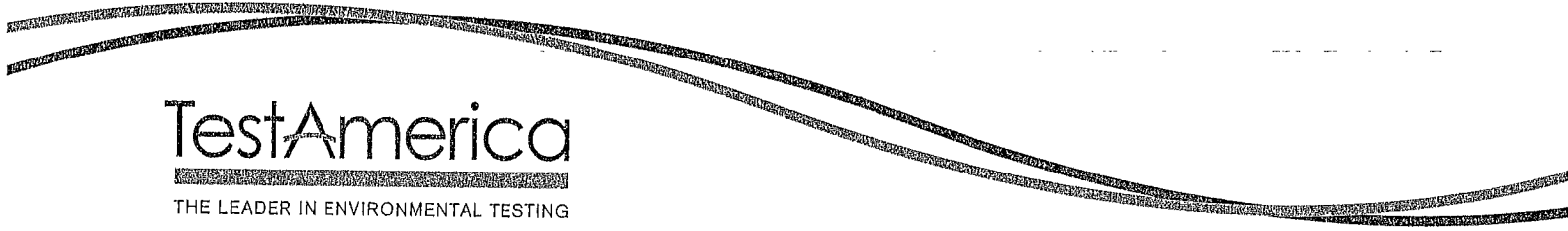
Instrument ID: HP6890-7
Lab File ID: 7_338_245.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 480-191797/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/10/2014 1051
Prep Date: 07/09/2014 0805
Leach Date: N/A

Analysis Batch: 480-192087
Prep Batch: 480-191797
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_338_246.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	95	93	48 - 162	2	50		
PCB-1260	108	107	38 - 148	1	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	74		78		10 - 158		
Tetrachloro-m-xylene	88		87		25 - 151		



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-38997 Chain of Custody

1, 2, 2.4, 2.6, 3, 4

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD										COC No.		Page		of			
Project Name:		Former TR1 wells								Project No. 15668		Phase 02		Task			
Site Location:		UTC-Carrier - Syracuse								PO No.		Lab Name		TA - N. Canton			
Sampler/Site Phone#		M. Crawford 315.283.8871								Sample Analysis Requested (Fill in the number of containers for each test)							
Sampler:		M. Grogg								Total No. of Containers				<--Preservative Type (3)			
Send Results To: Shere Goodnight		Email: sgoodnight@ensafe.com															
Data Shipping Address:																	
Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Remarks										
MW30WG062614	MW30	6-26-14	0830WG	N	N	N	PCB's										
MW35DWG062614	MW35D	1100					VOC's										
MW37WG062614	MW37	1300															
MW40DWG062614	MW40D	1500															
MW24WG062614	MW24	1700															
MW34WG062614	MW34	0840	WG														
MW31WG062614	MW31	1030	WG														
MW39WG062614	MW39	1315															
MW38WG062614	MW38	1530															
MW23WG062614	MW23	1725															
Turnaround Time(specify):		Final	days	Email	(if applicable)	days	Email Results(check):		Yes	No	Deliverable (check):		Level 2	Level 3	Level 4	TX TRRP-13	
Field Comments:		Lab Comments:															
Relinquished by (signature)		Date		Time		Received by (signature)		Date		Time		Number of coolers in shipment:		Samples Iced?(check) Yes		No	
1. [Signature]		6-26-14		1755		1. Alexander [Signature]		6-26-14		1755							
2. [Signature]		6-26-14		1900		2. [Signature]		6-27-14		940							
3. [Signature]						3. [Signature]											

(1) Matrix Code: AA=Air, AQ=Air Quality Control Matrix, DC=Drill Cuttings, GS=Soil Gas, LD=Drilling Fluid, LF=Free Product, LH=Liquid Waste, OH=Oil, SB=Bentonite, SC=Cement, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid Quality Control Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, TQ=Tissue Quality Control Matrix, U=Unknown, WA=Aqueous Drill Cuttings, WE=Estuary, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water Quality Control Matrix, WS=Surface 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. 06/05

TestAmerica Canton Sample Receipt Form/Narrative				Login #: <u>58997</u>	
Canton Facility					
Client <u>Ensafe</u>		Site Name _____		Cooler unpacked by: <u>[Signature]</u>	
Cooler Received on <u>6-27-14</u>		Opened on <u>6-27-14</u>			
FedEx: 1 st Grd <u>Exp</u> UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____					
TestAmerica Cooler # _____ Foam Box <u>Client Cooler</u> Box Other _____					
Packing material used: <u>Bubble Wrap</u> Foam Plastic Bag None Other _____					
COOLANT: <u>Wet Ice</u> Blue Ice Dry Ice Water None					
1. Cooler temperature upon receipt					
IR GUN# A (CF +2 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
IR GUN# 4 (CF -2 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
IR GUN# 5 (CF +0 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
IR GUN# 8 (CF +0 °C)		Observed Cooler Temp. _____ °C		Corrected Cooler Temp. _____ °C	
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity <u>4</u> <u>Yes</u> No					
-Were custody seals on the outside of the cooler(s) signed & dated? <u>Yes</u> No NA					
-Were custody seals on the bottle(s)? <u>Yes</u> <u>No</u>					
3. Shippers' packing slip attached to the cooler(s)? <u>Yes</u> No					
4. Did custody papers accompany the sample(s)? <u>Yes</u> No					
5. Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> No					
6. Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> No					
7. Could all bottle labels be reconciled with the COC? <u>Yes</u> No					
8. Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> No					
9. Sufficient quantity received to perform indicated analyses? <u>Yes</u> No					
10. Were sample(s) at the correct pH upon receipt? Yes No <u>NA</u> pH Strip Lot# <u>HC302587</u>					
11. Were VOAs on the COC? <u>Yes</u> No					
12. Were air bubbles >6 mm in any VOA vials? Yes <u>No</u> NA					
13. Was a trip blank present in the cooler(s)? Yes <u>No</u>					
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____					
Concerning _____					

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES 	Samples processed by: <u>[Signature]</u>
15. SAMPLE CONDITION Sample(s) _____ were received after the recommended holding time had expired. Sample(s) _____ were received in a broken container. Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)	
16. SAMPLE PRESERVATION Sample(s) _____ were further preserved in the laboratory. Time preserved: _____ Preservative(s) added/Lot number(s): _____	

[illegible]

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-38997-1
SDG Number: Former TR1 Wells

Login Number: 38997

List Number: 2

Creator: Robison, Zachary J

List Source: TestAmerica Buffalo

List Creation: 06/30/14 03:08 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 240-38846-1

SDG Number: Parking Lot R Monitoring Wells

Job Description: 2014 Annual GW Monitoring

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
7/9/2014 9:35 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/09/2014

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-38846-1

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

The 8082A Polychlorinated Biphenyls analysis was performed at the TestAmerica Buffalo Laboratory.

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

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

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

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

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

RECEIPT

The samples were received on 6/24/2014 9:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MW50WG062314 (240-38846-1) and MW47WG062314 (240-38846-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/02/2014.

Methylene Chloride was detected in method blank MB 240-136917/5 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 additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS

Sample MW47WG062314 (240-38846-2) was analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D-DRO. The samples were prepared on 06/26/2014 and analyzed on 06/30/2014.

Sample MW47WG062314 (240-38846-2) contained an unidentified mixture of hydrocarbons that elute in the approximate range of C18-C34. No match was identified in the laboratory's reference library.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW50WG062314 (240-38846-1) and MW47WG062314 (240-38846-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/26/2014 and analyzed on 07/01/2014.

All primary data is reported from the ZB-5 column.

The percent difference in multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38846-1 Trichloroethene	MW50WG062314	0.18	J	1.0	ug/L	8260C
240-38846-2 Diesel Range Organics [C10 - C28]	MW47WG062314	1900		500	ug/L	8015D
Oil Range Organics (C28-C40)		360	J	500	ug/L	8015D

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

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
Diesel Range Organics (DRO) (GC)	TAL CAN	SW846 8015D	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Polychlorinated Biphenyls (PCBs) (GC)	TAL BUF	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

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: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1
SW846 8015D	Bolgrin, Deborah	DEB
SW846 8082A	Evers, David L	DLE

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-38846-1	MW50WG062314	Water	06/23/2014 1455	06/24/2014 0925
240-38846-2	MW47WG062314	Water	06/23/2014 1710	06/24/2014 0925

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Client Sample ID: MW50WG062314

Lab Sample ID: 240-38846-1

Date Sampled: 06/23/2014 1455

Client Matrix: Water

Date Received: 06/24/2014 0925

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944646.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0315			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0315				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells**Client Sample ID: MW50WG062314**Lab Sample ID: 240-38846-1
Client Matrix: WaterDate Sampled: 06/23/2014 1455
Date Received: 06/24/2014 0925**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944646.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0315			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0315				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	89		75 - 121
4-Bromofluorobenzene (Surr)	89		66 - 120
1,2-Dichloroethane-d4 (Surr)	85		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Client Sample ID: MW50WG062314

Lab Sample ID: 240-38846-1

Client Matrix: Water

Date Sampled: 06/23/2014 1455

Date Received: 06/24/2014 0925

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944646.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 0315

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 0315

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1

Sdg Number: Parking Lot R Monitoring Wells

Client Sample ID: MW47WG062314

Lab Sample ID: 240-38846-2

Date Sampled: 06/23/2014 1710

Client Matrix: Water

Date Received: 06/24/2014 0925

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944647.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0338			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0338				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells**Client Sample ID: MW47WG062314**

Lab Sample ID: 240-38846-2

Date Sampled: 06/23/2014 1710

Client Matrix: Water

Date Received: 06/24/2014 0925

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944647.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 0338			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 0338				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	90		75 - 121
4-Bromofluorobenzene (Surr)	85		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Client Sample ID: MW47WG062314

Lab Sample ID: 240-38846-2

Client Matrix: Water

Date Sampled: 06/23/2014 1710

Date Received: 06/24/2014 0925

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136917

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944647.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 0338

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 0338

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells**Client Sample ID: MW47WG062314**Lab Sample ID: 240-38846-2
Client Matrix: WaterDate Sampled: 06/23/2014 1710
Date Received: 06/24/2014 0925

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136658	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-136230	Lab File ID:	P5F63010.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	06/30/2014 1530			Final Weight/Volume:	5 mL
Prep Date:	06/26/2014 0755			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	1900		110	500
Oil Range Organics (C28-C40)	360	J	110	500

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	84		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Client Sample ID: MW50WG062314

Lab Sample ID: 240-38846-1

Date Sampled: 06/23/2014 1455

Client Matrix: Water

Date Received: 06/24/2014 0925

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	480-190599	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-189918	Initial Weight/Volume:	1050.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 0405			Injection Volume:	1 uL
Prep Date:	06/26/2014 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		10 - 158
Tetrachloro-m-xylene	102		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Client Sample ID: MW47WG062314

Lab Sample ID: 240-38846-2
Client Matrix: WaterDate Sampled: 06/23/2014 1710
Date Received: 06/24/2014 0925**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190599	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-189918	Initial Weight/Volume:	1050.6 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 0421			Injection Volume:	1 uL
Prep Date:	06/26/2014 0603			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		10 - 158
Tetrachloro-m-xylene	107		25 - 151

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Lab Section	Qualifier	Description
GC/MS VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-136917					
LCS 240-136917/6	Lab Control Sample	T	Water	8260C	
MB 240-136917/5	Method Blank	T	Water	8260C	
240-38846-1	MW50WG062314	T	Water	8260C	
240-38846-2	MW47WG062314	T	Water	8260C	
Report Basis					
T = Total					
GC Semi VOA					
Prep Batch: 240-136230					
LCS 240-136230/5-A	Lab Control Sample	T	Water	3520C	
MB 240-136230/4-A	Method Blank	T	Water	3520C	
240-38846-2	MW47WG062314	T	Water	3520C	
Analysis Batch:240-136658					
LCS 240-136230/5-A	Lab Control Sample	T	Water	8015D	240-136230
MB 240-136230/4-A	Method Blank	T	Water	8015D	240-136230
240-38846-2	MW47WG062314	T	Water	8015D	240-136230
Prep Batch: 480-189918					
LCS 480-189918/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-189918/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-189918/1-A	Method Blank	T	Water	3510C	
240-38846-1	MW50WG062314	T	Water	3510C	
240-38846-2	MW47WG062314	T	Water	3510C	
Analysis Batch:480-190599					
LCS 480-189918/2-A	Lab Control Sample	T	Water	8082A	480-189918
LCSD 480-189918/3-A	Lab Control Sample Duplicate	T	Water	8082A	480-189918
MB 480-189918/1-A	Method Blank	T	Water	8082A	480-189918
240-38846-1	MW50WG062314	T	Water	8082A	480-189918
240-38846-2	MW47WG062314	T	Water	8082A	480-189918

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-38846-1	MW50WG062314	96	89	89	85
240-38846-2	MW47WG062314	95	90	85	86
MB 240-136917/5		96	92	88	86
LCS 240-136917/6		100	93	93	88

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Surrogate Recovery Report

8015D Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
240-38846-2	MW47WG062314	84
MB 240-136230/4-A		80
LCS 240-136230/5-A		89

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-160

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
240-38846-1	MW50WG062314	59	102
240-38846-2	MW47WG062314	71	107
MB 480-189918/1-A		83	96
LCS 480-189918/2-A		63	109
LCSD 480-189918/3-A		65	110

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	10-158
TCX = Tetrachloro-m-xylene	25-151

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Method Blank - Batch: 240-136917

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136917/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 2000
Prep Date: 07/01/2014 2000
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944627.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.453	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Method Blank - Batch: 240-136917

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-136917/5	Analysis Batch:	240-136917	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944627.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/01/2014 2000	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/01/2014 2000				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	92	75 - 121
4-Bromofluorobenzene (Surr)	88	66 - 120
1,2-Dichloroethane-d4 (Surr)	86	63 - 129

Method Blank TICs- Batch: 240-136917

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Lab Control Sample - Batch: 240-136917

Method: 8260C
Preparation: 5030C

Lab Sample ID: LCS 240-136917/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1851
Prep Date: 07/01/2014 1851
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944624.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.8	109	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	23.0	115	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.9	114	74 - 151	
1,1,2-Trichloroethane	20.0	21.3	107	80 - 120	
1,1-Dichloroethane	20.0	21.7	109	80 - 120	
1,1-Dichloroethene	20.0	21.5	108	78 - 131	
1,2,4-Trichlorobenzene	20.0	19.9	100	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	24.8	124	42 - 136	
Ethylene Dibromide	20.0	20.8	104	79 - 120	
1,2-Dichlorobenzene	20.0	19.2	96	80 - 120	
1,2-Dichloroethane	20.0	21.1	105	71 - 127	
1,2-Dichloropropane	20.0	20.3	101	80 - 120	
1,3-Dichlorobenzene	20.0	20.2	101	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
2-Butanone (MEK)	40.0	38.2	95	60 - 126	
2-Hexanone	40.0	46.6	117	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	42.8	107	63 - 128	
Acetone	40.0	37.3	93	43 - 136	
Benzene	20.0	21.3	107	80 - 120	
Dichlorobromomethane	20.0	21.0	105	72 - 121	
Bromoform	20.0	19.4	97	40 - 131	
Bromomethane	20.0	19.2	96	11 - 185	
Carbon disulfide	20.0	23.0	115	62 - 142	
Carbon tetrachloride	20.0	21.6	108	66 - 128	
Chlorobenzene	20.0	20.4	102	80 - 120	
Chloroethane	20.0	19.0	95	25 - 153	
Chloroform	20.0	20.8	104	79 - 120	
Chloromethane	20.0	20.3	102	44 - 126	
cis-1,2-Dichloroethene	20.0	20.1	100	80 - 120	
cis-1,3-Dichloropropene	20.0	22.0	110	61 - 120	
Cyclohexane	20.0	21.5	107	54 - 121	
Chlorodibromomethane	20.0	22.4	112	64 - 120	
Dichlorodifluoromethane	20.0	16.3	81	19 - 129	
Ethylbenzene	20.0	20.8	104	80 - 120	
Isopropylbenzene	20.0	20.4	102	75 - 120	
Methyl acetate	100	108	108	58 - 131	
Methyl tert-butyl ether	20.0	22.5	112	52 - 144	
Methylcyclohexane	20.0	18.8	94	56 - 127	
Methylene Chloride	20.0	20.5	102	66 - 131	
Styrene	20.0	22.5	113	79 - 120	
Tetrachloroethene	20.0	21.5	108	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Lab Control Sample - Batch: 240-136917

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136917/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1851
Prep Date: 07/01/2014 1851
Leach Date: N/A

Analysis Batch: 240-136917
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944624.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.5	108	80 - 120	
trans-1,2-Dichloroethene	20.0	20.9	104	80 - 120	
trans-1,3-Dichloropropene	20.0	23.8	119	58 - 120	
Trichloroethene	20.0	21.4	107	76 - 120	
Trichlorofluoromethane	20.0	20.1	100	49 - 157	
Vinyl chloride	20.0	20.8	104	53 - 127	
Xylenes, Total	40.0	43.6	109	80 - 120	
m-Xylene & p-Xylene	20.0	22.3	111	80 - 120	
o-Xylene	20.0	21.3	106	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		74 - 120		
Dibromofluoromethane (Surr)	93		75 - 121		
4-Bromofluorobenzene (Surr)	93		66 - 120		
1,2-Dichloroethane-d4 (Surr)	88		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Method Blank - Batch: 240-136230

Method: 8015D Preparation: 3520C

Lab Sample ID: MB 240-136230/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2014 1429
Prep Date: 06/26/2014 0755
Leach Date: N/A

Analysis Batch: 240-136658
Prep Batch: 240-136230
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F63008.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		110	500
Oil Range Organics (C28-C40)	ND		110	500

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	80	40 - 160

Lab Control Sample - Batch: 240-136230

Method: 8015D Preparation: 3520C

Lab Sample ID: LCS 240-136230/5-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2014 1500
Prep Date: 06/26/2014 0755
Leach Date: N/A

Analysis Batch: 240-136658
Prep Batch: 240-136230
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F63009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10 - C28]	2500	2120	85	40 - 124	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	89	40 - 160

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38846-1
Sdg Number: Parking Lot R Monitoring Wells

Method Blank - Batch: 480-189918

Method: 8082A Preparation: 3510C

Lab Sample ID: MB 480-189918/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 0230
Prep Date: 06/26/2014 0603
Leach Date: N/A

Analysis Batch: 480-190599
Prep Batch: 480-189918
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_151.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.038	0.060
PCB-1221	ND		0.038	0.060
PCB-1232	ND		0.038	0.060
PCB-1242	ND		0.038	0.060
PCB-1248	ND		0.038	0.060
PCB-1254	ND		0.031	0.060
PCB-1260	ND		0.031	0.060
PCB-1262	ND		0.031	0.060
PCB-1268	ND		0.031	0.060
Polychlorinated biphenyls, Total	ND		0.038	0.060

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	10 - 158
Tetrachloro-m-xylene	96	25 - 151

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 480-189918

Method: 8082A Preparation: 3510C

LCS Lab Sample ID: LCS 480-189918/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 0246
Prep Date: 06/26/2014 0603
Leach Date: N/A

Analysis Batch: 480-190599
Prep Batch: 480-189918
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_152.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 480-189918/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 0302
Prep Date: 06/26/2014 0603
Leach Date: N/A

Analysis Batch: 480-190599
Prep Batch: 480-189918
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_153.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	107	108	48 - 162	1	50		
PCB-1260	118	119	38 - 148	0	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	63		65		10 - 158		
Tetrachloro-m-xylene	109		110		25 - 151		

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-38846 Chain of Custody

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

EnSafe Inc. 800-588-7962

Sampler: M. Crawford

Data Shipping Address:

[illegible]

Turnaround Time(specify):	Final	_____ days	Email	(if applicable)	_____ days

Field Comments:

Relinquished by (signature)

Date	Time

Received by (signature)

Date	Time

Samples Iced?(check) Yes ___ No ___

6.23.14 1820

Clayton

12/11/2016

Method of Shipment:

2017.3.14/900

2 B

925-14

Airbill No:

Date Shipped:

(1) **Matrix Code:** AA=Air, AQ=Air Quality Control Matrix, DC=Drill Cuttings, GS=Soil Gas, LD=Drilling Fluid, LF=Free Product, LH=Liquid Waste, SE=Sediment, SF=Filter Sandpack, SI=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid Quality Control Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, TQ=Tissue Quality Control Matrix, U=Unknown, WA=Aqueous Drill Cuttings, WE=Estuary, WG=Ground Water, WO=Ocean Water, WP=Drinking Water, WQ=Water Quality Control Matrix, WS=Surface 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, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate. If NO preservative added leave blank

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 38840

Client Ensafe Site Name _____

Cooler unpacked by: _____

Cooler Received on 6-24-14 Opened on 4-24-14

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

TestAmerica Cooler # _____ Foam Box ☒ Client Cooler ☐ Box ☐ Other _____

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

COOLANT: Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +0 °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

☐ See Multiple
Cooler Form

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# HC302587

11. Were VOAs on the COC? ☒ Yes ☐ No

12. Were air bubbles >6 mm in any VOA vials? ☐ Yes ☒ No NA

13. Was a trip blank present in the cooler(s)? ☐ Yes ☒ No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

Rec'd 122 labeled MW8W6 062314 6-23-14 @ no time
not on COC.

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-38846-1

SDG Number: Parking Lot R Monitoring Wells

Login Number: 38846

List Source: TestAmerica Buffalo

List Number: 2

List Creation: 06/25/14 01:58 PM

Creator: Robison, Zachary J

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	True	

ANALYTICAL REPORT

Job Number: 240-38907-1

SDG Number: Parking Lot R Wells

Job Description: 2014 Annual GW Monitoring

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
7/15/2014 2:43 PM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/15/2014

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-38907-1

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

The 8082A Polychlorinated Biphenyls analysis was performed at the TestAmerica Buffalo laboratory.

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

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

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

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

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

RECEIPT

The samples were received on 6/25/2014 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the four coolers at receipt time were 2.6° C, 3.4° C, 4.4° C and 4.8° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MW46WG062414 (240-38907-1), PLR002WG062414 (240-38907-2), MW42WG062414 (240-38907-3), MW44WG062414 (240-38907-4), MW43WG062414 (240-38907-5), MW48WG062414 (240-38907-6), MW49WG062414 (240-38907-7), MW41DWG062414 (240-38907-8) and MW45WG062414 (240-38907-9) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 06/26/2014, 06/27/2014 and 07/02/2014.

Samples PLR002WG062414 (240-38907-2)[40X], MW43WG062414 (240-38907-5)[5X] and MW48WG062414 (240-38907-6)[40X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-136351/7 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.

1,2,4-Trichlorobenzene and Carbon disulfide were detected in method blank MB 240-136351/7 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride was detected in method blank MB 240-136964/4 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The continuing calibration verification (CCV) for analytical batch 136351 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 additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS

Samples MW46WG062414 (240-38907-1), MW43WG062414 (240-38907-5) and MW45WG062414 (240-38907-9) were analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D-DRO. The samples were prepared on 06/26/2014 and 07/10/2014

and analyzed on 06/30/2014 and 07/11/2014.

Sample MW46WG062414 (240-38907-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Samples MW46WG062414 (240-38907-1) and MW43WG062414 (240-38907-5) contained an unidentified mixture of hydrocarbons that elute in the approximate range of C18-C34. No match was identified in the laboratory's reference library.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW46WG062414 (240-38907-1), PLR002WG062414 (240-38907-2), MW42WG062414 (240-38907-3), MW44WG062414 (240-38907-4), MW43WG062414 (240-38907-5), MW48WG062414 (240-38907-6), MW49WG062414 (240-38907-7), MW41DWG062414 (240-38907-8) and MW45WG062414 (240-38907-9) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/27/2014 and analyzed on 07/01/2014.

Sample MW49WG062414 (240-38907-7)[2X] required dilution due to the matrix effects and are reported as elevated non-detections for all target analytes (Aroclors). The reported values represent the lowest limit that can be ascertained given the sample composition.

All primary data is reported from the ZB-35 column.

The surrogate percent difference in the associated continuing calibration verification (CCV 480-190700/37) for Tetrachloro-m-xylene and Decachlorobiphenyl exceeded 20% on the ZB-35 column, indicating a high bias.

The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

The surrogate percent difference in the associated continuing calibration verification (CCV 480-190700/31) for Tetrachloro-m-xylene exceeded 20% on the ZB-35 column, indicating a high bias.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38907-1	MW46WG062414					
1,1-Dichloroethane		0.35	J	1.0	ug/L	8260C
Acetone		3.7	J	10	ug/L	8260C
Carbon disulfide		0.35	J B	1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.7		1.0	ug/L	8260C
Methylene Chloride		1.2	B	1.0	ug/L	8260C
Styrene		0.11	J	1.0	ug/L	8260C
Trichloroethene		2.1		1.0	ug/L	8260C
Diesel Range Organics [C10 - C28]		6600		2400	ug/L	8015D
Oil Range Organics (C28-C40)		3900		2400	ug/L	8015D
240-38907-2	PLR002WG062414					
1,1-Dichloroethane		23	J	40	ug/L	8260C
cis-1,2-Dichloroethene		100		40	ug/L	8260C
Trichloroethene		2000		40	ug/L	8260C
Vinyl chloride		14	J	40	ug/L	8260C
240-38907-3	MW42WG062414					
Acetone		1.1	J	10	ug/L	8260C
cis-1,2-Dichloroethene		0.70	J	1.0	ug/L	8260C
Methylene Chloride		1.6	B	1.0	ug/L	8260C
Trichloroethene		0.59	J	1.0	ug/L	8260C
240-38907-4	MW44WG062414					
1,1,1-Trichloroethane		3.1		1.0	ug/L	8260C
1,1-Dichloroethane		4.0		1.0	ug/L	8260C
1,1-Dichloroethene		0.19	J	1.0	ug/L	8260C
Acetone		1.5	J	10	ug/L	8260C
Carbon disulfide		0.16	J B	1.0	ug/L	8260C
Chloroform		0.36	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		1.6		1.0	ug/L	8260C
Methylene Chloride		1.4	B	1.0	ug/L	8260C
Trichloroethene		15		1.0	ug/L	8260C
PCB-1254		0.061		0.057	ug/L	8082A
Polychlorinated biphenyls, Total		0.061		0.057	ug/L	8082A
240-38907-5	MW43WG062414					
cis-1,2-Dichloroethene		21		5.0	ug/L	8260C
Methylene Chloride		11	B	5.0	ug/L	8260C
Trichloroethene		400		5.0	ug/L	8260C
Diesel Range Organics [C10 - C28]		570		490	ug/L	8015D
Oil Range Organics (C28-C40)		220	J	490	ug/L	8015D

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38907-6	MW48WG062414					
cis-1,2-Dichloroethene		900		40	ug/L	8260C
trans-1,2-Dichloroethene		43		40	ug/L	8260C
Trichloroethene		500		40	ug/L	8260C
240-38907-7	MW49WG062414					
1,1,1-Trichloroethane		0.73	J	1.0	ug/L	8260C
1,1-Dichloroethane		3.6		1.0	ug/L	8260C
1,1-Dichloroethene		0.81	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		1.5		1.0	ug/L	8260C
Trichloroethene		2.3		1.0	ug/L	8260C
Vinyl chloride		0.76	J	1.0	ug/L	8260C
240-38907-9	MW45WG062414					
Acetone		2.1	J	10	ug/L	8260C
cis-1,2-Dichloroethene		2.1		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.54	J	1.0	ug/L	8260C
Trichloroethene		33		1.0	ug/L	8260C
Diesel Range Organics [C10 - C28]		670	H	480	ug/L	8015D
Oil Range Organics (C28-C40)		400	J H	480	ug/L	8015D

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

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
Diesel Range Organics (DRO) (GC)	TAL CAN	SW846 8015D	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Polychlorinated Biphenyls (PCBs) (GC)	TAL BUF	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

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: 240-38907-1
Sdg Number: Parking Lot R Wells

Method	Analyst	Analyst ID
SW846 8260C	Quayle, Rick	RJQ
SW846 8015D	Bolgrin, Deborah	DEB
SW846 8082A	Evers, David L	DLE

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-38907-1	MW46WG062414	Water	06/24/2014 1640	06/25/2014 0920
240-38907-2	PLR002WG062414	Water	06/24/2014 1430	06/25/2014 0920
240-38907-3	MW42WG062414	Water	06/24/2014 1255	06/25/2014 0920
240-38907-4	MW44WG062414	Water	06/24/2014 1110	06/25/2014 0920
240-38907-5	MW43WG062414	Water	06/24/2014 0915	06/25/2014 0920
240-38907-6	MW48WG062414	Water	06/24/2014 0830	06/25/2014 0920
240-38907-7	MW49WG062414	Water	06/24/2014 1100	06/25/2014 0920
240-38907-8	MW41DWG062414	Water	06/24/2014 1310	06/25/2014 0920
240-38907-9	MW45WG062414	Water	06/24/2014 1510	06/25/2014 0920

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW46WG062414

Lab Sample ID: 240-38907-1

Date Sampled: 06/24/2014 1640

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6531.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0041			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0041				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	0.35	J	0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	3.7	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.35	J B	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	2.7		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.2	B	0.33	1.0
Styrene	0.11	J	0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	2.1		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW46WG062414

Lab Sample ID: 240-38907-1

Date Sampled: 06/24/2014 1640

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6531.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0041			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0041				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	95		74 - 120
Dibromofluoromethane (Surr)	94		75 - 121
4-Bromofluorobenzene (Surr)	94		66 - 120
1,2-Dichloroethane-d4 (Surr)	90		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW46WG062414

Lab Sample ID: 240-38907-1

Client Matrix: Water

Date Sampled: 06/24/2014 1640

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6531.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/27/2014 0041

Final Weight/Volume: 10 mL

Prep Date: 06/27/2014 0041

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: PLR002WG062414

Lab Sample ID: 240-38907-2
Client Matrix: Water

Date Sampled: 06/24/2014 1430
Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944667.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1430			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1430				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.8	40
1,1,2,2-Tetrachloroethane	ND		7.2	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	40
1,1,2-Trichloroethane	ND		11	40
1,1-Dichloroethane	23	J	6.0	40
1,1-Dichloroethene	ND		7.6	40
1,2,4-Trichlorobenzene	ND		6.0	40
1,2-Dibromo-3-Chloropropane	ND		27	80
Ethylene Dibromide	ND		9.6	40
1,2-Dichlorobenzene	ND		5.2	40
1,2-Dichloroethane	ND		8.8	40
1,2-Dichloropropane	ND		7.2	40
1,3-Dichlorobenzene	ND		5.6	40
1,4-Dichlorobenzene	ND		5.2	40
2-Butanone (MEK)	ND		23	400
2-Hexanone	ND		16	400
4-Methyl-2-pentanone (MIBK)	ND		13	400
Acetone	ND		44	400
Benzene	ND		5.2	40
Dichlorobromomethane	ND		6.0	40
Bromoform	ND		26	40
Bromomethane	ND		16	40
Carbon disulfide	ND		5.2	40
Carbon tetrachloride	ND		5.2	40
Chlorobenzene	ND		6.0	40
Chloroethane	ND		12	40
Chloroform	ND		6.4	40
Chloromethane	ND		12	40
cis-1,2-Dichloroethene	100		6.8	40
cis-1,3-Dichloropropene	ND		5.6	40
Cyclohexane	ND		4.8	40
Chlorodibromomethane	ND		7.2	40
Dichlorodifluoromethane	ND		12	40
Ethylbenzene	ND		6.8	40
Isopropylbenzene	ND		5.2	40
Methyl acetate	ND		15	400
Methyl tert-butyl ether	ND		6.8	40
Methylcyclohexane	ND		5.2	40
Methylene Chloride	ND		13	40
Styrene	ND		4.4	40
Tetrachloroethene	ND		12	40
Toluene	ND		5.2	40
trans-1,2-Dichloroethene	ND		7.6	40
trans-1,3-Dichloropropene	ND		7.6	40
Trichloroethene	2000		6.8	40
Trichlorofluoromethane	ND		8.4	40

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: PLR002WG062414

Lab Sample ID: 240-38907-2

Date Sampled: 06/24/2014 1430

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944667.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1430			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1430				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	14	J	8.8	40
Xylenes, Total	ND		5.6	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		74 - 120
Dibromofluoromethane (Surr)	90		75 - 121
4-Bromofluorobenzene (Surr)	92		66 - 120
1,2-Dichloroethane-d4 (Surr)	90		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: PLR002WG062414

Lab Sample ID: 240-38907-2

Date Sampled: 06/24/2014 1430

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136964

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944667.D

Dilution: 40

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1430

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1430

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW42WG062414

Lab Sample ID: 240-38907-3

Date Sampled: 06/24/2014 1255

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6533.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0125			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0125				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	1.1	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.70	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.6	B	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	0.59	J	0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW42WG062414

Lab Sample ID: 240-38907-3

Date Sampled: 06/24/2014 1255

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6533.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0125			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0125				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		74 - 120
Dibromofluoromethane (Surr)	98		75 - 121
4-Bromofluorobenzene (Surr)	98		66 - 120
1,2-Dichloroethane-d4 (Surr)	96		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW42WG062414

Lab Sample ID: 240-38907-3

Client Matrix: Water

Date Sampled: 06/24/2014 1255

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6533.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/27/2014 0125

Final Weight/Volume: 10 mL

Prep Date: 06/27/2014 0125

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW44WG062414

Lab Sample ID: 240-38907-4
Client Matrix: Water

Date Sampled: 06/24/2014 1110
Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6524.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2206			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2206				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	3.1		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	4.0		0.15	1.0
1,1-Dichloroethene	0.19	J	0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	1.5	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.16	J B	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	0.36	J	0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	1.6		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.4	B	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	15		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW44WG062414

Lab Sample ID: 240-38907-4

Date Sampled: 06/24/2014 1110

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6524.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2206			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2206				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	92		74 - 120
Dibromofluoromethane (Surr)	95		75 - 121
4-Bromofluorobenzene (Surr)	95		66 - 120
1,2-Dichloroethane-d4 (Surr)	93		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW44WG062414

Lab Sample ID: 240-38907-4

Client Matrix: Water

Date Sampled: 06/24/2014 1110

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6524.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2206

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2206

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW43WG062414

Lab Sample ID: 240-38907-5

Date Sampled: 06/24/2014 0915

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6534.D
Dilution:	5.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0147			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1.1	5.0
1,1,2,2-Tetrachloroethane	ND		0.90	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	5.0
1,1,2-Trichloroethane	ND		1.4	5.0
1,1-Dichloroethane	ND		0.75	5.0
1,1-Dichloroethene	ND		0.95	5.0
1,2,4-Trichlorobenzene	ND		0.75	5.0
1,2-Dibromo-3-Chloropropane	ND		3.4	10
Ethylene Dibromide	ND		1.2	5.0
1,2-Dichlorobenzene	ND		0.65	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		0.90	5.0
1,3-Dichlorobenzene	ND		0.70	5.0
1,4-Dichlorobenzene	ND		0.65	5.0
2-Butanone (MEK)	ND		2.9	50
2-Hexanone	ND		2.1	50
4-Methyl-2-pentanone (MIBK)	ND		1.6	50
Acetone	ND		5.5	50
Benzene	ND		0.65	5.0
Dichlorobromomethane	ND		0.75	5.0
Bromoform	ND		3.2	5.0
Bromomethane	ND		2.1	5.0
Carbon disulfide	ND		0.65	5.0
Carbon tetrachloride	ND		0.65	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		1.5	5.0
Chloroform	ND		0.80	5.0
Chloromethane	ND		1.5	5.0
cis-1,2-Dichloroethene	21		0.85	5.0
cis-1,3-Dichloropropene	ND		0.70	5.0
Cyclohexane	ND		0.60	5.0
Chlorodibromomethane	ND		0.90	5.0
Dichlorodifluoromethane	ND		1.6	5.0
Ethylbenzene	ND		0.85	5.0
Isopropylbenzene	ND		0.65	5.0
Methyl acetate	ND		1.9	50
Methyl tert-butyl ether	ND		0.85	5.0
Methylcyclohexane	ND		0.65	5.0
Methylene Chloride	11	B	1.7	5.0
Styrene	ND		0.55	5.0
Tetrachloroethene	ND		1.5	5.0
Toluene	ND		0.65	5.0
trans-1,2-Dichloroethene	ND		0.95	5.0
trans-1,3-Dichloropropene	ND		0.95	5.0
Trichloroethene	400		0.85	5.0
Trichlorofluoromethane	ND		1.1	5.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW43WG062414

Lab Sample ID: 240-38907-5

Date Sampled: 06/24/2014 0915

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6534.D
Dilution:	5.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0147			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		1.1	5.0
Xylenes, Total	ND		0.70	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		74 - 120
Dibromofluoromethane (Surr)	99		75 - 121
4-Bromofluorobenzene (Surr)	97		66 - 120
1,2-Dichloroethane-d4 (Surr)	97		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW43WG062414

Lab Sample ID: 240-38907-5

Client Matrix: Water

Date Sampled: 06/24/2014 0915

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6534.D

Dilution: 5.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/27/2014 0147

Final Weight/Volume: 10 mL

Prep Date: 06/27/2014 0147

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW48WG062414

Lab Sample ID: 240-38907-6

Date Sampled: 06/24/2014 0830

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944668.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1454			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1454				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.8	40
1,1,2,2-Tetrachloroethane	ND		7.2	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	40
1,1,2-Trichloroethane	ND		11	40
1,1-Dichloroethane	ND		6.0	40
1,1-Dichloroethene	ND		7.6	40
1,2,4-Trichlorobenzene	ND		6.0	40
1,2-Dibromo-3-Chloropropane	ND		27	80
Ethylene Dibromide	ND		9.6	40
1,2-Dichlorobenzene	ND		5.2	40
1,2-Dichloroethane	ND		8.8	40
1,2-Dichloropropane	ND		7.2	40
1,3-Dichlorobenzene	ND		5.6	40
1,4-Dichlorobenzene	ND		5.2	40
2-Butanone (MEK)	ND		23	400
2-Hexanone	ND		16	400
4-Methyl-2-pentanone (MIBK)	ND		13	400
Acetone	ND		44	400
Benzene	ND		5.2	40
Dichlorobromomethane	ND		6.0	40
Bromoform	ND		26	40
Bromomethane	ND		16	40
Carbon disulfide	ND		5.2	40
Carbon tetrachloride	ND		5.2	40
Chlorobenzene	ND		6.0	40
Chloroethane	ND		12	40
Chloroform	ND		6.4	40
Chloromethane	ND		12	40
cis-1,2-Dichloroethene	900		6.8	40
cis-1,3-Dichloropropene	ND		5.6	40
Cyclohexane	ND		4.8	40
Chlorodibromomethane	ND		7.2	40
Dichlorodifluoromethane	ND		12	40
Ethylbenzene	ND		6.8	40
Isopropylbenzene	ND		5.2	40
Methyl acetate	ND		15	400
Methyl tert-butyl ether	ND		6.8	40
Methylcyclohexane	ND		5.2	40
Methylene Chloride	ND		13	40
Styrene	ND		4.4	40
Tetrachloroethene	ND		12	40
Toluene	ND		5.2	40
trans-1,2-Dichloroethene	43		7.6	40
trans-1,3-Dichloropropene	ND		7.6	40
Trichloroethene	500		6.8	40
Trichlorofluoromethane	ND		8.4	40

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW48WG062414

Lab Sample ID: 240-38907-6

Date Sampled: 06/24/2014 0830

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944668.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1454			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1454				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		8.8	40
Xylenes, Total	ND		5.6	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	99		74 - 120
Dibromofluoromethane (Surr)	96		75 - 121
4-Bromofluorobenzene (Surr)	85		66 - 120
1,2-Dichloroethane-d4 (Surr)	89		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW48WG062414

Lab Sample ID: 240-38907-6

Client Matrix: Water

Date Sampled: 06/24/2014 0830

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136964

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944668.D

Dilution: 40

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1454

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1454

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW49WG062414

Lab Sample ID: 240-38907-7

Date Sampled: 06/24/2014 1100

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944669.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1516			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1516				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.73	J	0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	3.6		0.15	1.0
1,1-Dichloroethene	0.81	J	0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	1.5		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	2.3		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW49WG062414

Lab Sample ID: 240-38907-7

Date Sampled: 06/24/2014 1100

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944669.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1516			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1516				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	0.76	J	0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	101		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	88		66 - 120
1,2-Dichloroethane-d4 (Surr)	92		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW49WG062414

Lab Sample ID: 240-38907-7

Date Sampled: 06/24/2014 1100

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944669.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1516			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1516				

Tentatively Identified Compounds

Number TIC's Found: 1

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
2317-91-1	Ethene, 1-chloro-1-fluoro-	1.75	4.9	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW41DWG062414

Lab Sample ID: 240-38907-8

Date Sampled: 06/24/2014 1310

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944670.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1537			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1537				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW41DWG062414

Lab Sample ID: 240-38907-8

Date Sampled: 06/24/2014 1310

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944670.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1537			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1537				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		74 - 120
Dibromofluoromethane (Surr)	93		75 - 121
4-Bromofluorobenzene (Surr)	87		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW41DWG062414

Lab Sample ID: 240-38907-8

Client Matrix: Water

Date Sampled: 06/24/2014 1310

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136964

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944670.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1537

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1537

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW45WG062414

Lab Sample ID: 240-38907-9

Date Sampled: 06/24/2014 1510

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944671.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1559			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1559				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	2.1	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	2.1		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.54	J	0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	33		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells**Client Sample ID: MW45WG062414**

Lab Sample ID: 240-38907-9

Date Sampled: 06/24/2014 1510

Client Matrix: Water

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944671.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1559			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1559				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		74 - 120
Dibromofluoromethane (Surr)	92		75 - 121
4-Bromofluorobenzene (Surr)	87		66 - 120
1,2-Dichloroethane-d4 (Surr)	86		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW45WG062414

Lab Sample ID: 240-38907-9

Client Matrix: Water

Date Sampled: 06/24/2014 1510

Date Received: 06/25/2014 0920

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136964

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944671.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1559

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1559

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW46WG062414

Lab Sample ID: 240-38907-1
Client Matrix: Water

Date Sampled: 06/24/2014 1640
Date Received: 06/25/2014 0920

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136658	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-136230	Lab File ID:	P5F63013.D
Dilution:	5.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/30/2014 1711			Final Weight/Volume:	5 mL
Prep Date:	06/26/2014 0755			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	6600		500	2400
Oil Range Organics (C28-C40)	3900		500	2400

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	95		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells**Client Sample ID: MW43WG062414**

Lab Sample ID: 240-38907-5

Date Sampled: 06/24/2014 0915

Client Matrix: Water

Date Received: 06/25/2014 0920

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136658	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-136230	Lab File ID:	P5F63012.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	06/30/2014 1632			Final Weight/Volume:	5 mL
Prep Date:	06/26/2014 0755			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	570		100	490
Oil Range Organics (C28-C40)	220	J	100	490

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	86		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells**Client Sample ID: MW45WG062414**Lab Sample ID: 240-38907-9
Client Matrix: WaterDate Sampled: 06/24/2014 1510
Date Received: 06/25/2014 0920

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-138203	Instrument ID:	A2HP5R
Prep Method:	3520C	Prep Batch:	240-137912	Lab File ID:	P5B71117.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	07/11/2014 2019			Final Weight/Volume:	5.0 mL
Prep Date:	07/10/2014 0806			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	670	H	100	480
Oil Range Organics (C28-C40)	400	J H	100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	104		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW46WG062414

Lab Sample ID: 240-38907-1
Client Matrix: WaterDate Sampled: 06/24/2014 1640
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1049.6 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1546			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	16		10 - 158
Tetrachloro-m-xylene	78		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: PLR002WG062414

Lab Sample ID: 240-38907-2
Client Matrix: WaterDate Sampled: 06/24/2014 1430
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1024.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1603			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.037	0.059
PCB-1221	ND		0.037	0.059
PCB-1232	ND		0.037	0.059
PCB-1242	ND		0.037	0.059
PCB-1248	ND		0.037	0.059
PCB-1254	ND		0.030	0.059
PCB-1260	ND		0.030	0.059
PCB-1262	ND		0.030	0.059
PCB-1268	ND		0.030	0.059
Polychlorinated biphenyls, Total	ND		0.037	0.059

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	40		10 - 158
Tetrachloro-m-xylene	100		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW42WG062414

Lab Sample ID: 240-38907-3

Date Sampled: 06/24/2014 1255

Client Matrix: Water

Date Received: 06/25/2014 0920

8082A Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	961.3 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1618			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.040	0.062
PCB-1221	ND		0.040	0.062
PCB-1232	ND		0.040	0.062
PCB-1242	ND		0.040	0.062
PCB-1248	ND		0.040	0.062
PCB-1254	ND		0.032	0.062
PCB-1260	ND		0.032	0.062
PCB-1262	ND		0.032	0.062
PCB-1268	ND		0.032	0.062
Polychlorinated biphenyls, Total	ND		0.040	0.062

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	52		10 - 158
Tetrachloro-m-xylene	56		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW44WG062414

Lab Sample ID: 240-38907-4
Client Matrix: WaterDate Sampled: 06/24/2014 1110
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1047.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1634			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	0.061		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	0.061		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		10 - 158
Tetrachloro-m-xylene	107		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW43WG062414

Lab Sample ID: 240-38907-5
Client Matrix: WaterDate Sampled: 06/24/2014 0915
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1044.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1650			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	63		10 - 158
Tetrachloro-m-xylene	115		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW48WG062414

Lab Sample ID: 240-38907-6
Client Matrix: WaterDate Sampled: 06/24/2014 0830
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1058.8 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1737			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		10 - 158
Tetrachloro-m-xylene	104		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW49WG062414

Lab Sample ID: 240-38907-7
Client Matrix: WaterDate Sampled: 06/24/2014 1100
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1055.7 mL
Dilution:	2.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1753			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.072	0.11
PCB-1221	ND		0.072	0.11
PCB-1232	ND		0.072	0.11
PCB-1242	ND		0.072	0.11
PCB-1248	ND		0.072	0.11
PCB-1254	ND		0.059	0.11
PCB-1260	ND		0.059	0.11
PCB-1262	ND		0.059	0.11
PCB-1268	ND		0.059	0.11
Polychlorinated biphenyls, Total	ND		0.072	0.11

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		10 - 158
Tetrachloro-m-xylene	138		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW41DWG062414

Lab Sample ID: 240-38907-8
Client Matrix: WaterDate Sampled: 06/24/2014 1310
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1056.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1809			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.029	0.057
PCB-1260	ND		0.029	0.057
PCB-1262	ND		0.029	0.057
PCB-1268	ND		0.029	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		10 - 158
Tetrachloro-m-xylene	107		25 - 151

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Client Sample ID: MW45WG062414

Lab Sample ID: 240-38907-9
Client Matrix: WaterDate Sampled: 06/24/2014 1510
Date Received: 06/25/2014 0920**8082A Polychlorinated Biphenyls (PCBs) (GC)**

Analysis Method:	8082A	Analysis Batch:	480-190700	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-190156	Initial Weight/Volume:	1044.8 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	07/01/2014 1825			Injection Volume:	1 uL
Prep Date:	06/27/2014 0629			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.036	0.057
PCB-1221	ND		0.036	0.057
PCB-1232	ND		0.036	0.057
PCB-1242	ND		0.036	0.057
PCB-1248	ND		0.036	0.057
PCB-1254	ND		0.030	0.057
PCB-1260	ND		0.030	0.057
PCB-1262	ND		0.030	0.057
PCB-1268	ND		0.030	0.057
Polychlorinated biphenyls, Total	ND		0.036	0.057

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		10 - 158
Tetrachloro-m-xylene	116		25 - 151

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

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 Semi VOA	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

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-136351					
LCS 240-136351/4	Lab Control Sample	T	Water	8260C	
MB 240-136351/7	Method Blank	T	Water	8260C	
240-38907-1	MW46WG062414	T	Water	8260C	
240-38907-3	MW42WG062414	T	Water	8260C	
240-38907-4	MW44WG062414	T	Water	8260C	
240-38907-4MS	Matrix Spike	T	Water	8260C	
240-38907-4MSD	Matrix Spike Duplicate	T	Water	8260C	
240-38907-5	MW43WG062414	T	Water	8260C	
Analysis Batch:240-136964					
LCS 240-136964/5	Lab Control Sample	T	Water	8260C	
MB 240-136964/4	Method Blank	T	Water	8260C	
240-38907-2	PLR002WG062414	T	Water	8260C	
240-38907-6	MW48WG062414	T	Water	8260C	
240-38907-7	MW49WG062414	T	Water	8260C	
240-38907-8	MW41DWG062414	T	Water	8260C	
240-38907-9	MW45WG062414	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1

Sdg Number: Parking Lot R Wells

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-136230					
LCS 240-136230/5-A	Lab Control Sample	T	Water	3520C	
MB 240-136230/4-A	Method Blank	T	Water	3520C	
240-38907-1	MW46WG062414	T	Water	3520C	
240-38907-5	MW43WG062414	T	Water	3520C	
Analysis Batch:240-136658					
LCS 240-136230/5-A	Lab Control Sample	T	Water	8015D	240-136230
MB 240-136230/4-A	Method Blank	T	Water	8015D	240-136230
240-38907-1	MW46WG062414	T	Water	8015D	240-136230
240-38907-5	MW43WG062414	T	Water	8015D	240-136230
Prep Batch: 240-137912					
LCS 240-137912/5-A	Lab Control Sample	T	Water	3520C	
MB 240-137912/4-A	Method Blank	T	Water	3520C	
240-38907-9	MW45WG062414	T	Water	3520C	
Analysis Batch:240-138203					
LCS 240-137912/5-A	Lab Control Sample	T	Water	8015D	240-137912
MB 240-137912/4-A	Method Blank	T	Water	8015D	240-137912
240-38907-9	MW45WG062414	T	Water	8015D	240-137912
Prep Batch: 480-190156					
LCS 480-190156/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-190156/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-190156/1-A	Method Blank	T	Water	3510C	
240-38907-1	MW46WG062414	T	Water	3510C	
240-38907-2	PLR002WG062414	T	Water	3510C	
240-38907-3	MW42WG062414	T	Water	3510C	
240-38907-4	MW44WG062414	T	Water	3510C	
240-38907-5	MW43WG062414	T	Water	3510C	
240-38907-6	MW48WG062414	T	Water	3510C	
240-38907-7	MW49WG062414	T	Water	3510C	
240-38907-8	MW41DWG062414	T	Water	3510C	
240-38907-9	MW45WG062414	T	Water	3510C	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:480-190700					
LCS 480-190156/2-A	Lab Control Sample	T	Water	8082A	480-190156
LCSD 480-190156/3-A	Lab Control Sample Duplicate	T	Water	8082A	480-190156
MB 480-190156/1-A	Method Blank	T	Water	8082A	480-190156
240-38907-1	MW46WG062414	T	Water	8082A	480-190156
240-38907-2	PLR002WG062414	T	Water	8082A	480-190156
240-38907-3	MW42WG062414	T	Water	8082A	480-190156
240-38907-4	MW44WG062414	T	Water	8082A	480-190156
240-38907-5	MW43WG062414	T	Water	8082A	480-190156
240-38907-6	MW48WG062414	T	Water	8082A	480-190156
240-38907-7	MW49WG062414	T	Water	8082A	480-190156
240-38907-8	MW41DWG062414	T	Water	8082A	480-190156
240-38907-9	MW45WG062414	T	Water	8082A	480-190156

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-38907-1	MW46WG062414	95	94	94	90
240-38907-2	PLR002WG062414	97	90	92	90
240-38907-3	MW42WG062414	96	98	98	96
240-38907-4	MW44WG062414	92	95	95	93
240-38907-5	MW43WG062414	100	99	97	97
240-38907-6	MW48WG062414	99	96	85	89
240-38907-7	MW49WG062414	101	92	88	92
240-38907-8	MW41DWG062414	94	93	87	86
240-38907-9	MW45WG062414	93	92	87	86
MB 240-136351/7		96	95	98	99
MB 240-136964/4		99	89	90	83
LCS 240-136351/4		101	104	101	101
LCS 240-136964/5		97	92	88	85
240-38907-4 MS	MW44WG062414 MS	92	101	93	96
240-38907-4 MSD	MW44WG062414 MSD	98	102	98	93

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Surrogate Recovery Report

8015D Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
240-38907-1	MW46WG062414	95
240-38907-5	MW43WG062414	86
240-38907-9	MW45WG062414	104
MB 240-136230/4-A		80
MB 240-137912/4-A		79
LCS 240-136230/5-A		89
LCS 240-137912/5-A		70

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-160

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB2 %Rec	TCX2 %Rec
240-38907-1	MW46WG062414	16	78
240-38907-2	PLR002WG062414	40	100
240-38907-3	MW42WG062414	52	56
240-38907-4	MW44WG062414	64	107
240-38907-5	MW43WG062414	63	115
240-38907-6	MW48WG062414	98	104
240-38907-7	MW49WG062414	91	138
240-38907-8	MW41DWG062414	87	107
240-38907-9	MW45WG062414	77	116
MB 480-190156/1-A		80	109
LCS 480-190156/2-A		63	117
LCSD 480-190156/3-A		63	119

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	10-158
TCX = Tetrachloro-m-xylene	25-151

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Method Blank - Batch: 240-136351

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136351/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 1754
Prep Date: 06/26/2014 1754
Leach Date: N/A

Analysis Batch: 240-136351
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX16
Lab File ID: UXM6513.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	0.382	J	0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	0.376	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.80		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Method Blank - Batch: 240-136351

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-136351/7	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6513.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 1754	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 1754				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	96	74 - 120
Dibromofluoromethane (Surr)	95	75 - 121
4-Bromofluorobenzene (Surr)	98	66 - 120
1,2-Dichloroethane-d4 (Surr)	99	63 - 129

Method Blank TICs- Batch: 240-136351

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
110-54-3	Hexane	3.99	0.483	J
91-20-3	Naphthalene	12.77	0.550	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Lab Control Sample - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136351/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 1647
Prep Date: 06/26/2014 1647
Leach Date: N/A

Analysis Batch: 240-136351
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX16
Lab File ID: UXM6510.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	25.0	29.4	118	74 - 120	
1,1,2,2-Tetrachloroethane	25.0	27.3	109	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8	115	74 - 151	
1,1,2-Trichloroethane	25.0	26.3	105	80 - 120	
1,1-Dichloroethane	25.0	27.9	112	80 - 120	
1,1-Dichloroethene	25.0	27.6	110	78 - 131	
1,2,4-Trichlorobenzene	25.0	26.1	104	48 - 135	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	42 - 136	
Ethylene Dibromide	25.0	28.1	112	79 - 120	
1,2-Dichlorobenzene	25.0	26.1	104	80 - 120	
1,2-Dichloroethane	25.0	28.1	112	71 - 127	
1,2-Dichloropropane	25.0	27.0	108	80 - 120	
1,3-Dichlorobenzene	25.0	26.4	105	80 - 120	
1,4-Dichlorobenzene	25.0	26.0	104	80 - 120	
2-Butanone (MEK)	50.0	56.1	112	60 - 126	
2-Hexanone	50.0	51.1	102	55 - 133	
4-Methyl-2-pentanone (MIBK)	50.0	55.6	111	63 - 128	
Acetone	50.0	54.9	110	43 - 136	
Benzene	25.0	27.2	109	80 - 120	
Dichlorobromomethane	25.0	27.0	108	72 - 121	
Bromoform	25.0	23.2	93	40 - 131	
Bromomethane	25.0	26.9	108	11 - 185	
Carbon disulfide	25.0	28.3	113	62 - 142	
Carbon tetrachloride	25.0	29.5	118	66 - 128	
Chlorobenzene	25.0	27.1	108	80 - 120	
Chloroethane	25.0	24.1	96	25 - 153	
Chloroform	25.0	28.2	113	79 - 120	
Chloromethane	25.0	25.7	103	44 - 126	
cis-1,2-Dichloroethene	25.0	27.1	108	80 - 120	
cis-1,3-Dichloropropene	25.0	27.9	112	61 - 120	
Cyclohexane	25.0	28.8	115	54 - 121	
Chlorodibromomethane	25.0	27.3	109	64 - 120	
Dichlorodifluoromethane	25.0	26.5	106	19 - 129	
Ethylbenzene	25.0	27.0	108	80 - 120	
Isopropylbenzene	25.0	28.4	114	75 - 120	
Methyl acetate	125	129	103	58 - 131	
Methyl tert-butyl ether	25.0	24.7	99	52 - 144	
Methylcyclohexane	25.0	29.5	118	56 - 127	
Methylene Chloride	25.0	29.5	118	66 - 131	
Styrene	25.0	27.3	109	79 - 120	
Tetrachloroethene	25.0	29.6	118	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Lab Control Sample - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136351/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 1647
Prep Date: 06/26/2014 1647
Leach Date: N/A

Analysis Batch: 240-136351
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX16
Lab File ID: UXM6510.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	25.0	26.2	105	80 - 120	
trans-1,2-Dichloroethene	25.0	28.5	114	80 - 120	
trans-1,3-Dichloropropene	25.0	29.0	116	58 - 120	
Trichloroethene	25.0	29.8	119	76 - 120	
Trichlorofluoromethane	25.0	27.8	111	49 - 157	
Vinyl chloride	25.0	26.3	105	53 - 127	
Xylenes, Total	50.0	54.5	109	80 - 120	
m-Xylene & p-Xylene	25.0	27.3	109	80 - 120	
o-Xylene	25.0	27.2	109	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	101		74 - 120		
Dibromofluoromethane (Surr)	104		75 - 121		
4-Bromofluorobenzene (Surr)	101		66 - 120		
1,2-Dichloroethane-d4 (Surr)	101		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-136351**

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

MS Lab Sample ID: 240-38907-4	Analysis Batch: 240-136351	Instrument ID: A3UX16
Client Matrix: Water	Prep Batch: N/A	Lab File ID: UXM6535.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 10 mL
Analysis Date: 06/27/2014 0210		Final Weight/Volume: 10 mL
Prep Date: 06/27/2014 0210		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 240-38907-4	Analysis Batch: 240-136351	Instrument ID: A3UX16
Client Matrix: Water	Prep Batch: N/A	Lab File ID: UXM6536.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 10 mL
Analysis Date: 06/27/2014 0232		Final Weight/Volume: 10 mL
Prep Date: 06/27/2014 0232		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	101	104	68 - 121	3	30		
1,1,2,2-Tetrachloroethane	91	88	63 - 122	3	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	94	70 - 152	3	30		
1,1,2-Trichloroethane	92	93	75 - 120	1	30		
1,1-Dichloroethane	101	102	79 - 120	1	30		
1,1-Dichloroethene	90	96	74 - 135	6	30		
1,2,4-Trichlorobenzene	89	91	38 - 138	2	30		
1,2-Dibromo-3-Chloropropane	83	77	32 - 139	7	30		
Ethylene Dibromide	97	96	74 - 120	1	30		
1,2-Dichlorobenzene	93	93	75 - 120	0	30		
1,2-Dichloroethane	104	101	68 - 129	3	30		
1,2-Dichloropropane	100	102	78 - 120	2	30		
1,3-Dichlorobenzene	91	93	73 - 120	3	30		
1,4-Dichlorobenzene	90	92	75 - 120	3	30		
2-Butanone (MEK)	90	84	54 - 129	7	30		
2-Hexanone	87	83	47 - 139	5	30		
4-Methyl-2-pentanone (MIBK)	95	89	56 - 131	7	30		
Acetone	91	83	33 - 145	9	30		
Benzene	97	99	72 - 121	2	30		
Dichlorobromomethane	100	101	67 - 120	1	30		
Bromoform	79	80	32 - 128	1	30		
Bromomethane	79	76	10 - 186	4	30		
Carbon disulfide	92	96	57 - 147	4	30		
Carbon tetrachloride	95	99	59 - 129	4	30		
Chlorobenzene	94	97	80 - 120	3	30		
Chloroethane	74	74	21 - 165	1	30		
Chloroform	103	104	76 - 120	0	30		
Chloromethane	56	60	33 - 132	7	30		
cis-1,2-Dichloroethene	100	102	70 - 120	2	30		
cis-1,3-Dichloropropene	99	98	51 - 120	1	30		
Cyclohexane	93	97	49 - 123	4	30		
Chlorodibromomethane	95	97	56 - 120	1	30		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 240-136351

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	240-38907-4	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6535.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0210			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0210				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	240-38907-4	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UXM6536.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	06/27/2014 0232			Final Weight/Volume:	10 mL
Prep Date:	06/27/2014 0232				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	32	31	17 - 128	3	30		
Ethylbenzene	91	95	75 - 120	5	30		
Isopropylbenzene	94	100	68 - 120	6	30		
Methyl acetate	89	81	47 - 130	10	30		
Methyl tert-butyl ether	93	89	46 - 144	5	30		
Methylcyclohexane	91	95	49 - 127	5	30		
Methylene Chloride	103	102	63 - 128	1	30		
Styrene	95	99	71 - 120	3	30		
Tetrachloroethene	94	99	70 - 120	6	30		
Toluene	90	94	78 - 120	5	30		
trans-1,2-Dichloroethene	99	100	80 - 120	1	30		
trans-1,3-Dichloropropene	99	102	46 - 120	3	30		
Trichloroethene	95	105	66 - 120	6	30		
Trichlorofluoromethane	85	88	46 - 157	4	30		
Vinyl chloride	64	68	49 - 130	5	30		
Xylenes, Total	93	97	76 - 120	4	30		
m-Xylene & p-Xylene	91	96	75 - 120	5	30		
o-Xylene	95	99	76 - 120	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	92	98	74 - 120
Dibromofluoromethane (Surr)	101	102	75 - 121
4-Bromofluorobenzene (Surr)	93	98	66 - 120
1,2-Dichloroethane-d4 (Surr)	96	93	63 - 129

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Method Blank - Batch: 240-136964

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136964/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1017
Prep Date: 07/02/2014 1017
Leach Date: N/A

Analysis Batch: 240-136964
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944656.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.05		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Method Blank - Batch: 240-136964

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-136964/4	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944656.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1017	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1017				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	74 - 120
Dibromofluoromethane (Surr)	89	75 - 121
4-Bromofluorobenzene (Surr)	90	66 - 120
1,2-Dichloroethane-d4 (Surr)	83	63 - 129

Method Blank TICs- Batch: 240-136964

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
142-82-5	n-Heptane	5.28	0.609	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Lab Control Sample - Batch: 240-136964

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136964/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 0931
Prep Date: 07/02/2014 0931
Leach Date: N/A

Analysis Batch: 240-136964
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944654.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.4	107	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7	113	74 - 151	
1,1,2-Trichloroethane	20.0	18.6	93	80 - 120	
1,1-Dichloroethane	20.0	19.7	99	80 - 120	
1,1-Dichloroethene	20.0	21.2	106	78 - 131	
1,2,4-Trichlorobenzene	20.0	19.3	96	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	16.9	85	42 - 136	
Ethylene Dibromide	20.0	19.1	96	79 - 120	
1,2-Dichlorobenzene	20.0	18.3	91	80 - 120	
1,2-Dichloroethane	20.0	19.9	100	71 - 127	
1,2-Dichloropropane	20.0	20.8	104	80 - 120	
1,3-Dichlorobenzene	20.0	19.4	97	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
2-Butanone (MEK)	40.0	32.3	81	60 - 126	
2-Hexanone	40.0	32.0	80	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	36.0	90	63 - 128	
Acetone	40.0	29.2	73	43 - 136	
Benzene	20.0	21.1	106	80 - 120	
Dichlorobromomethane	20.0	21.2	106	72 - 121	
Bromoform	20.0	15.7	79	40 - 131	
Bromomethane	20.0	18.0	90	11 - 185	
Carbon disulfide	20.0	22.3	112	62 - 142	
Carbon tetrachloride	20.0	19.6	98	66 - 128	
Chlorobenzene	20.0	19.5	97	80 - 120	
Chloroethane	20.0	18.1	91	25 - 153	
Chloroform	20.0	21.0	105	79 - 120	
Chloromethane	20.0	19.6	98	44 - 126	
cis-1,2-Dichloroethene	20.0	20.0	100	80 - 120	
cis-1,3-Dichloropropene	20.0	21.0	105	61 - 120	
Cyclohexane	20.0	22.2	111	54 - 121	
Chlorodibromomethane	20.0	19.3	96	64 - 120	
Dichlorodifluoromethane	20.0	15.9	80	19 - 129	
Ethylbenzene	20.0	19.5	98	80 - 120	
Isopropylbenzene	20.0	19.9	100	75 - 120	
Methyl acetate	100	88.7	89	58 - 131	
Methyl tert-butyl ether	20.0	19.1	96	52 - 144	
Methylcyclohexane	20.0	21.3	107	56 - 127	
Methylene Chloride	20.0	20.8	104	66 - 131	
Styrene	20.0	21.5	107	79 - 120	
Tetrachloroethene	20.0	21.7	109	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Lab Control Sample - Batch: 240-136964

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136964/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 0931
Prep Date: 07/02/2014 0931
Leach Date: N/A

Analysis Batch: 240-136964
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944654.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	20.0	100	80 - 120	
trans-1,2-Dichloroethene	20.0	21.7	108	80 - 120	
trans-1,3-Dichloropropene	20.0	22.6	113	58 - 120	
Trichloroethene	20.0	21.0	105	76 - 120	
Trichlorofluoromethane	20.0	19.0	95	49 - 157	
Vinyl chloride	20.0	20.4	102	53 - 127	
Xylenes, Total	40.0	41.5	104	80 - 120	
m-Xylene & p-Xylene	20.0	20.9	105	80 - 120	
o-Xylene	20.0	20.6	103	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	97		74 - 120		
Dibromofluoromethane (Surr)	92		75 - 121		
4-Bromofluorobenzene (Surr)	88		66 - 120		
1,2-Dichloroethane-d4 (Surr)	85		63 - 129		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Method Blank - Batch: 240-136230

Method: 8015D Preparation: 3520C

Lab Sample ID: MB 240-136230/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2014 1429
Prep Date: 06/26/2014 0755
Leach Date: N/A

Analysis Batch: 240-136658
Prep Batch: 240-136230
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F63008.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		110	500
Oil Range Organics (C28-C40)	ND		110	500

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	80	40 - 160

Lab Control Sample - Batch: 240-136230

Method: 8015D Preparation: 3520C

Lab Sample ID: LCS 240-136230/5-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/30/2014 1500
Prep Date: 06/26/2014 0755
Leach Date: N/A

Analysis Batch: 240-136658
Prep Batch: 240-136230
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F63009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10 - C28]	2500	2120	85	40 - 124	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	89	40 - 160

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Method Blank - Batch: 240-137912

Method: 8015D Preparation: 3520C

Lab Sample ID: MB 240-137912/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/11/2014 1817
Prep Date: 07/10/2014 0806
Leach Date: N/A

Analysis Batch: 240-138203
Prep Batch: 240-137912
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5R
Lab File ID: P5B71113.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		110	500
Oil Range Organics (C28-C40)	ND		110	500

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	79	40 - 160

Lab Control Sample - Batch: 240-137912

Method: 8015D Preparation: 3520C

Lab Sample ID: LCS 240-137912/5-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/11/2014 1847
Prep Date: 07/10/2014 0806
Leach Date: N/A

Analysis Batch: 240-138203
Prep Batch: 240-137912
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5R
Lab File ID: P5B71114.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10 - C28]	2500	1550	62	40 - 124	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	70	40 - 160

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38907-1
Sdg Number: Parking Lot R Wells

Method Blank - Batch: 480-190156

Method: 8082A Preparation: 3510C

Lab Sample ID: MB 480-190156/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1427
Prep Date: 06/27/2014 0629
Leach Date: N/A

Analysis Batch: 480-190700
Prep Batch: 480-190156
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_196.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.038	0.060
PCB-1221	ND		0.038	0.060
PCB-1232	ND		0.038	0.060
PCB-1242	ND		0.038	0.060
PCB-1248	ND		0.038	0.060
PCB-1254	ND		0.031	0.060
PCB-1260	ND		0.031	0.060
PCB-1262	ND		0.031	0.060
PCB-1268	ND		0.031	0.060
Polychlorinated biphenyls, Total	ND		0.038	0.060

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	80	10 - 158
Tetrachloro-m-xylene	109	25 - 151

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 480-190156

Method: 8082A Preparation: 3510C

LCS Lab Sample ID: LCS 480-190156/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1443
Prep Date: 06/27/2014 0629
Leach Date: N/A

Analysis Batch: 480-190700
Prep Batch: 480-190156
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_197.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

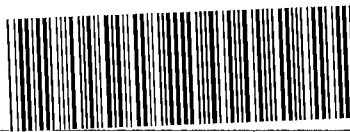
LCSD Lab Sample ID: LCSD 480-190156/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/01/2014 1459
Prep Date: 06/27/2014 0629
Leach Date: N/A

Analysis Batch: 480-190700
Prep Batch: 480-190156
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_337_198.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	103	109	48 - 162	6	50		
PCB-1260	98	100	38 - 148	2	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	63		63		10 - 158		
Tetrachloro-m-xylene	117		119		25 - 151		

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-38907 Chain of Custody

 EnSafe Inc. 800-588-7962		CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD			
Project Name: <u>Parking Lot R Wells</u> Site Location: <u>UTC - Carrier - Syracuse</u>		COC No.	Page	of	Project No. <u>15668</u> Phase <u>02</u> Task <u>-</u>
		PO No.	Lab Name		
Sampler/Site Phone# <u>M. Crawford 315.283.8871</u>		Sample Analysis Requested (Fill in the number of containers for each test)			

Sampler:	M. Gragg / M. Crawford
Send Results To:	Shane Goodnight Email: sgoodnight@enseafe.com
Data Shipping Address:	

[illegible]

Turnaround Time(specify):	Final	days	Email (if applicable)	days	Email Results(check):	Yes	No	Deliverable (check):	Level 2	Level 3	Level 4	TX TRRP-13
Field Comments:					Sample Shipment and Delivery Details							
					Number of coolers in shipment:							
					Samples Iced?(check) Yes No							
					Method of Shipment:							
					Airbill No:							
					Date Shipped:							

(1) **Matrix Code:** **AA**=Air, **AQ**=Air Quality Control Matrix, **DC**=Drill Cuttings, **GS**=Soil Gas, **LD**=Drilling Fluid, **LF**=Free Product, **LH**=Liquid Waste, **Oil**=Oil, **SB**=Bentonite, **SC**=Cement, **SE**=Sediment, **SF**=Filter Sandpack, **SH**=Sludge, **SH**=Miscellaneous Solid/Building Materials, **SO**=Soil, **SQ**=Soil/Solid Quality Control Matrix, **SW**=Swab/Wipe, **TA**=Animal Tissue, **TP**=Plant Tissue, **U**=Unknown, **WA**=Aqueous Drill Cuttings, **WE**=Estuary, **WG**=Ground Water, **WL**=Leachate, **WO**=Ocean Water, **WP**=Drinking Water, **WQ**=Water Quality Control Matrix, **WS**=Surface Water, **WW**=Waste Water

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

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

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 38907

Client ENSAFE Site Name _____

Cooler unpacked by: [Signature]

Cooler Received on 6-25-14 Opened on 6-25-14

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

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

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

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 8 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

☒ See Multiple Cooler Form

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity LEA Yes No

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

-Were custody seals on the bottle(s)? Yes No

3. Shippers' packing slip attached to the cooler(s)? Yes No

4. Did custody papers accompany the sample(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No

7. Could all bottle labels be reconciled with the COC? Yes No

8. Were correct bottle(s) used for the test(s) indicated? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC302587

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes No NA

13. Was a trip blank present in the cooler(s)? Yes No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [Signature]

Sample # MW 46 1 x 40ml RECEIVED BROKEN

Sample # MW 45 2 x 1 liter RECEIVED BROKEN

15. SAMPLE CONDITION

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

Sample(s) See 14 were received in a broken container.

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

16. SAMPLE PRESERVATION

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

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

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-38907-1
SDG Number: Parking Lot R Wells

Login Number: 38907

List Number: 2

Creator: Robison, Zachary J

List Source: TestAmerica Buffalo

List Creation: 06/26/14 03:44 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7, 4.1, 4.3 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 240-38986-1

SDG Number: Basin 001 Piezometers PLR

Job Description: 2014 Annual GW Monitoring

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
7/14/2014 10:52 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/14/2014

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: 2014 Annual GW Monitoring

Report Number: 240-38986-1

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

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

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

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

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

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

RECEIPT

The samples were received on 6/27/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 5.6° C and 6.0° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples B00101WG062514 (240-38986-1), B00102WG062514 (240-38986-2), B00103WG062514 (240-38986-3) and B00106WG062514 (240-38986-4) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 07/07/2014.

Methylene Chloride was detected in method blank MB 240-137482/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The laboratory control sample (LCS) for batch 137482 recovered outside control limits for trans-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38986-1	B00101WG062514					
cis-1,2-Dichloroethene		0.21	J	1.0	ug/L	8260C
Trichloroethene		4.2		1.0	ug/L	8260C
240-38986-2	B00102WG062514					
Trichloroethene		19		1.0	ug/L	8260C
240-38986-3	B00103WG062514					
2-Butanone (MEK)		5.5	J	10	ug/L	8260C
2-Hexanone		1.1	J	10	ug/L	8260C
4-Methyl-2-pentanone (MIBK)		2.1	J	10	ug/L	8260C
Acetone		29		10	ug/L	8260C
trans-1,2-Dichloroethene		0.23	J	1.0	ug/L	8260C
Trichloroethene		0.97	J	1.0	ug/L	8260C
240-38986-4	B00106WG062514					
1,1,1-Trichloroethane		3.7		1.0	ug/L	8260C
1,1-Dichloroethane		36		1.0	ug/L	8260C
1,1-Dichloroethene		2.5		1.0	ug/L	8260C
Acetone		4.2	J	10	ug/L	8260C
Chloroethane		3.4		1.0	ug/L	8260C
cis-1,2-Dichloroethene		1.5		1.0	ug/L	8260C
Trichloroethene		5.6		1.0	ug/L	8260C
Vinyl chloride		1.3		1.0	ug/L	8260C

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

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

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: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Method	Analyst	Analyst ID
SW846 8260C	Lavey, Tim	TJL1

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-38986-1	B00101WG062514	Water	06/25/2014 0857	06/27/2014 0940
240-38986-2	B00102WG062514	Water	06/25/2014 0845	06/27/2014 0940
240-38986-3	B00103WG062514	Water	06/25/2014 1610	06/27/2014 0940
240-38986-4	B00106WG062514	Water	06/25/2014 1640	06/27/2014 0940

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00101WG062514

Lab Sample ID: 240-38986-1
Client Matrix: Water

Date Sampled: 06/25/2014 0857
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944759.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1845			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1845				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.21	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	4.2		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR**Client Sample ID: B00101WG062514**Lab Sample ID: 240-38986-1
Client Matrix: WaterDate Sampled: 06/25/2014 0857
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944759.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1845			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1845				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		74 - 120
Dibromofluoromethane (Surr)	96		75 - 121
4-Bromofluorobenzene (Surr)	85		66 - 120
1,2-Dichloroethane-d4 (Surr)	91		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00101WG062514

Lab Sample ID: 240-38986-1

Date Sampled: 06/25/2014 0857

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944759.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 1845

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 1845

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00102WG062514

Lab Sample ID: 240-38986-2
Client Matrix: WaterDate Sampled: 06/25/2014 0845
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944760.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1907			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1907				

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR**Client Sample ID: B00102WG062514**Lab Sample ID: 240-38986-2
Client Matrix: WaterDate Sampled: 06/25/2014 0845
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944760.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1907			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1907				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		74 - 120
Dibromofluoromethane (Surr)	95		75 - 121
4-Bromofluorobenzene (Surr)	87		66 - 120
1,2-Dichloroethane-d4 (Surr)	91		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00102WG062514

Lab Sample ID: 240-38986-2

Date Sampled: 06/25/2014 0845

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944760.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 1907

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 1907

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00103WG062514

Lab Sample ID: 240-38986-3
Client Matrix: Water

Date Sampled: 06/25/2014 1610
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944761.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1928			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1928				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	5.5	J	0.57	10
2-Hexanone	1.1	J	0.41	10
4-Methyl-2-pentanone (MIBK)	2.1	J	0.32	10
Acetone	29		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	0.23	J	0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	0.97	J	0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00103WG062514

Lab Sample ID: 240-38986-3
Client Matrix: WaterDate Sampled: 06/25/2014 1610
Date Received: 06/27/2014 0940**8260C Volatile Organic Compounds by GC/MS**

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944761.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1928			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1928				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		74 - 120
Dibromofluoromethane (Surr)	98		75 - 121
4-Bromofluorobenzene (Surr)	90		66 - 120
1,2-Dichloroethane-d4 (Surr)	88		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR**Client Sample ID: B00103WG062514**

Lab Sample ID: 240-38986-3

Date Sampled: 06/25/2014 1610

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944761.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 1928

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 1928

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
115-11-7	1-Propene, 2-methyl-	1.89	2.9	T J N
66-25-1	Hexanal	7.37	4.5	T J N
111-71-7	Heptanal	8.76	2.7	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00106WG062514

Lab Sample ID: 240-38986-4
Client Matrix: Water

Date Sampled: 06/25/2014 1640
Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944762.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1951			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1951				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	3.7		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	36		0.15	1.0
1,1-Dichloroethene	2.5		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	4.2	J	1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	3.4		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	1.5		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	ND		0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND	*	0.19	1.0
Trichloroethene	5.6		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00106WG062514

Lab Sample ID: 240-38986-4

Date Sampled: 06/25/2014 1640

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944762.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1951			Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1951				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1.3		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		74 - 120
Dibromofluoromethane (Surr)	97		75 - 121
4-Bromofluorobenzene (Surr)	89		66 - 120
1,2-Dichloroethane-d4 (Surr)	93		63 - 129

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Client Sample ID: B00106WG062514

Lab Sample ID: 240-38986-4

Date Sampled: 06/25/2014 1640

Client Matrix: Water

Date Received: 06/27/2014 0940

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-137482

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944762.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/07/2014 1951

Final Weight/Volume: 5 mL

Prep Date: 07/07/2014 1951

Tentatively Identified Compounds

Number TIC's Found: 0

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

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Lab Section	Qualifier	Description
GC/MS VOA	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.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-137482					
LCS 240-137482/6	Lab Control Sample	T	Water	8260C	
MB 240-137482/5	Method Blank	T	Water	8260C	
240-38986-1	B00101WG062514	T	Water	8260C	
240-38986-2	B00102WG062514	T	Water	8260C	
240-38986-3	B00103WG062514	T	Water	8260C	
240-38986-4	B00106WG062514	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	DBFM %Rec	BFB %Rec	DCA %Rec
240-38986-1	B00101WG062514	98	96	85	91
240-38986-2	B00102WG062514	98	95	87	91
240-38986-3	B00103WG062514	102	98	90	88
240-38986-4	B00106WG062514	100	97	89	93
MB 240-137482/5		98	94	87	91
LCS 240-137482/6		100	97	93	94

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Method Blank - Batch: 240-137482

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-137482/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1652
Prep Date: 07/07/2014 1652
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944754.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.15	1.0
1,1-Dichloroethene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.67	2.0
Ethylene Dibromide	ND		0.24	1.0
1,2-Dichlorobenzene	ND		0.13	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3-Dichlorobenzene	ND		0.14	1.0
1,4-Dichlorobenzene	ND		0.13	1.0
2-Butanone (MEK)	ND		0.57	10
2-Hexanone	ND		0.41	10
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Dichlorobromomethane	ND		0.15	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
Chlorodibromomethane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.31	1.0
Ethylbenzene	ND		0.17	1.0
Isopropylbenzene	ND		0.13	1.0
Methyl acetate	ND		0.38	10
Methyl tert-butyl ether	ND		0.17	1.0
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.751	J	0.33	1.0
Styrene	ND		0.11	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	ND		0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
Trichloroethene	ND		0.17	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Method Blank - Batch: 240-137482

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-137482/5	Analysis Batch:	240-137482	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944754.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2014 1652	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/07/2014 1652				
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	74 - 120
Dibromofluoromethane (Surr)	94	75 - 121
4-Bromofluorobenzene (Surr)	87	66 - 120
1,2-Dichloroethane-d4 (Surr)	91	63 - 129

Method Blank TICs- Batch: 240-137482

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Lab Control Sample - Batch: 240-137482

Method: 8260C
Preparation: 5030C

Lab Sample ID: LCS 240-137482/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1544
Prep Date: 07/07/2014 1544
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944751.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	21.0	105	74 - 120	
1,1,2,2-Tetrachloroethane	20.0	21.9	109	68 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.6	108	74 - 151	
1,1,2-Trichloroethane	20.0	20.7	103	80 - 120	
1,1-Dichloroethane	20.0	20.0	100	80 - 120	
1,1-Dichloroethene	20.0	20.5	102	78 - 131	
1,2,4-Trichlorobenzene	20.0	20.5	102	48 - 135	
1,2-Dibromo-3-Chloropropane	20.0	21.9	110	42 - 136	
Ethylene Dibromide	20.0	21.1	106	79 - 120	
1,2-Dichlorobenzene	20.0	20.2	101	80 - 120	
1,2-Dichloroethane	20.0	21.2	106	71 - 127	
1,2-Dichloropropane	20.0	20.6	103	80 - 120	
1,3-Dichlorobenzene	20.0	21.0	105	80 - 120	
1,4-Dichlorobenzene	20.0	19.9	99	80 - 120	
2-Butanone (MEK)	40.0	35.3	88	60 - 126	
2-Hexanone	40.0	41.2	103	55 - 133	
4-Methyl-2-pentanone (MIBK)	40.0	39.9	100	63 - 128	
Acetone	40.0	33.4	83	43 - 136	
Benzene	20.0	20.9	104	80 - 120	
Dichlorobromomethane	20.0	21.4	107	72 - 121	
Bromoform	20.0	19.2	96	40 - 131	
Bromomethane	20.0	19.3	97	11 - 185	
Carbon disulfide	20.0	23.0	115	62 - 142	
Carbon tetrachloride	20.0	21.3	107	66 - 128	
Chlorobenzene	20.0	20.9	105	80 - 120	
Chloroethane	20.0	19.1	96	25 - 153	
Chloroform	20.0	20.4	102	79 - 120	
Chloromethane	20.0	21.2	106	44 - 126	
cis-1,2-Dichloroethene	20.0	20.1	101	80 - 120	
cis-1,3-Dichloropropene	20.0	22.2	111	61 - 120	
Cyclohexane	20.0	20.1	100	54 - 121	
Chlorodibromomethane	20.0	23.1	115	64 - 120	
Dichlorodifluoromethane	20.0	19.2	96	19 - 129	
Ethylbenzene	20.0	20.7	103	80 - 120	
Isopropylbenzene	20.0	20.2	101	75 - 120	
Methyl acetate	100	99.2	99	58 - 131	
Methyl tert-butyl ether	20.0	20.6	103	52 - 144	
Methylcyclohexane	20.0	19.7	98	56 - 127	
Methylene Chloride	20.0	20.8	104	66 - 131	
Styrene	20.0	23.2	116	79 - 120	
Tetrachloroethene	20.0	22.3	112	79 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38986-1
Sdg Number: Basin 001 Piezometers PLR

Lab Control Sample - Batch: 240-137482

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-137482/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/07/2014 1544
Prep Date: 07/07/2014 1544
Leach Date: N/A

Analysis Batch: 240-137482
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944751.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toluene	20.0	21.4	107	80 - 120	
trans-1,2-Dichloroethene	20.0	21.3	106	80 - 120	
trans-1,3-Dichloropropene	20.0	25.3	126	58 - 120	*
Trichloroethene	20.0	21.0	105	76 - 120	
Trichlorofluoromethane	20.0	20.8	104	49 - 157	
Vinyl chloride	20.0	21.3	107	53 - 127	
Xylenes, Total	40.0	43.9	110	80 - 120	
m-Xylene & p-Xylene	20.0	22.4	112	80 - 120	
o-Xylene	20.0	21.5	108	80 - 120	
Surrogate	% Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		74 - 120		
Dibromofluoromethane (Surr)	97		75 - 121		
4-Bromofluorobenzene (Surr)	93		66 - 120		
1,2-Dichloroethane-d4 (Surr)	94		63 - 129		

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-38986.Chain of Custody

Client Engle Site Name _____
Cooler Received on 6-27-14 Opened on 6-27-14
FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
IR GUN# 5 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
IR GUN# 8 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

☒ See Multiple
Cooler Form

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 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# HC302587

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes No NA

13. Was a trip blank present in the cooler(s)? Yes No

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

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [Signature]

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

[illegible]

ANALYTICAL REPORT

Job Number: 240-38755-1

Job Description: MH3 Oil Source Investigation

For:

EnSafe, Inc.

220 Athens Way, Plaza 1, Suite 410

Nashville, TN 37228

Attention: Ms. May Heflin



Approved for release.
Amy L. McCormick
Project Manager II
7/9/2014 10:23 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/09/2014

cc: Shane Goodnight
Final Data Tracking

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

TestAmerica Laboratories, Inc.

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

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: MH3 Oil Source Investigation

Report Number: 240-38755-1

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

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

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

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

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

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

RECEIPT

The samples were received on 6/20/2014 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR058WG061914 (240-38755-1) and PLR059WG061914 (240-38755-2) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 06/26/2014 and 07/02/2014.

Methylene Chloride was detected in method blank MB 240-136351/7 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.

1,2,4-Trichlorobenzene and Carbon disulfide were detected in method blank MB 240-136351/7 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride was detected in method blank MB 240-136964/4 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The continuing calibration verification (CCV) for analytical batch 136351 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 additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS

Samples PLR058WG061914 (240-38755-1) and PLR059WG061914 (240-38755-2) were analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D-DRO. The samples were prepared on 06/23/2014 and analyzed on 06/25/2014.

Sample PLR058WG061914 (240-38755-1)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Sample PLR058WG061914 (240-38755-1) contained an unidentified mixture of hydrocarbons in the range of C16-C34. No match was identified in the laboratory's reference library.

Sample PLR059WG061914 (240-38755-2) contained an unidentified mixture of hydrocarbons that were in the range of diesel. No match

was identified in the laboratory's reference library.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples PLR058WG061914 (240-38755-1) and PLR059WG061914 (240-38755-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/26/2014 and analyzed on 06/27/2014.

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

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38755-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38755-1	PLR058WG061914					
Acetone		23		10	ug/L	8260C
2-Butanone (MEK)		4.6	J	10	ug/L	8260C
Carbon disulfide		0.29	J B	1.0	ug/L	8260C
Chloroethane		1.5		1.0	ug/L	8260C
1,1-Dichloroethane		2.9		1.0	ug/L	8260C
1,1-Dichloroethene		0.60	J	1.0	ug/L	8260C
Methylene Chloride		0.50	J B	1.0	ug/L	8260C
Toluene		0.25	J	1.0	ug/L	8260C
1,1,1-Trichloroethane		0.25	J	1.0	ug/L	8260C
Diesel Range Organics [C10 - C28]		31000		5400	ug/L	8015D
Oil Range Organics (C28-C40)		12000		5400	ug/L	8015D
240-38755-2	PLR059WG061914					
Acetone		2.8	J	10	ug/L	8260C
Carbon disulfide		2.1		1.0	ug/L	8260C
cis-1,2-Dichloroethene		1.4		1.0	ug/L	8260C
Methylene Chloride		0.92	J B	1.0	ug/L	8260C
Toluene		0.32	J	1.0	ug/L	8260C
Trichloroethene		4.3		1.0	ug/L	8260C
Xylenes, Total		0.31	J	2.0	ug/L	8260C
Diesel Range Organics [C10 - C28]		2700		500	ug/L	8015D
Oil Range Organics (C28-C40)		690		500	ug/L	8015D

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38755-1

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
Diesel Range Organics (DRO) (GC)	TAL CAN	SW846 8015D	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C

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: 240-38755-1

Method	Analyst	Analyst ID
SW846 8260C	Quayle, Rick	RJQ
SW846 8015D	Bolgrin, Deborah	DEB
SW846 8082A	Hass, Lori	LSH

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38755-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-38755-1	PLR058WG061914	Water	06/19/2014 1700	06/20/2014 0930
240-38755-2	PLR059WG061914	Water	06/19/2014 1420	06/20/2014 0930

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR058WG061914

Lab Sample ID: 240-38755-1

Date Sampled: 06/19/2014 1700

Client Matrix: Water

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6520.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2036			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2036				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	23		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	4.6	J	0.57	10
Carbon disulfide	0.29	J B	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
Chloroethane	1.5		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	1.0
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	2.9		0.15	1.0
1,2-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	0.60	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.50	J B	0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.25	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	0.25	J	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
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR058WG061914

Lab Sample ID: 240-38755-1

Date Sampled: 06/19/2014 1700

Client Matrix: Water

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6520.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2036			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2036				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		66 - 120
Dibromofluoromethane (Surr)	94		75 - 121
1,2-Dichloroethane-d4 (Surr)	95		63 - 129
Toluene-d8 (Surr)	94		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR058WG061914

Lab Sample ID: 240-38755-1

Client Matrix: Water

Date Sampled: 06/19/2014 1700

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6520.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2036

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2036

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR059WG061914

Lab Sample ID: 240-38755-2

Date Sampled: 06/19/2014 1420

Client Matrix: Water

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6521.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2059			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2059				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.8	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 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	1.4		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	0.92	J B	0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.32	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	4.3		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
Vinyl chloride	ND		0.22	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR059WG061914

Lab Sample ID: 240-38755-2

Date Sampled: 06/19/2014 1420

Client Matrix: Water

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6521.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2059			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2059				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	0.31	J	0.14	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	95		66 - 120
Dibromofluoromethane (Surr)	94		75 - 121
1,2-Dichloroethane-d4 (Surr)	93		63 - 129
Toluene-d8 (Surr)	93		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR059WG061914

Lab Sample ID: 240-38755-2

Date Sampled: 06/19/2014 1420

Client Matrix: Water

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6521.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2059

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2059

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

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR059WG061914

Lab Sample ID: 240-38755-2

Date Sampled: 06/19/2014 1420

Client Matrix: Water

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944660.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1149			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1149				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Carbon disulfide	2.1		0.13	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	92		66 - 120
Dibromofluoromethane (Surr)	94		75 - 121
1,2-Dichloroethane-d4 (Surr)	87		63 - 129
Toluene-d8 (Surr)	98		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR059WG061914

Lab Sample ID: 240-38755-2

Date Sampled: 06/19/2014 1420

Client Matrix: Water

Date Received: 06/20/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944660.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1149			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1149				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
3937-49-3	Cyclohexanemethanol, 4-methyl-, trans-	10.98	4.1	T J N
3937-48-2	Cyclohexanemethanol, 4-methyl-, cis-	11.25	2.8	T J N

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR058WG061914

Lab Sample ID: 240-38755-1

Date Sampled: 06/19/2014 1700

Client Matrix: Water

Date Received: 06/20/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136108	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135720	Lab File ID:	P5F62513.D
Dilution:	10			Initial Weight/Volume:	920 mL
Analysis Date:	06/25/2014 1749			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 0815			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	31000		1100	5400
Oil Range Organics (C28-C40)	12000		1100	5400

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	80		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR059WG061914

Lab Sample ID: 240-38755-2

Date Sampled: 06/19/2014 1420

Client Matrix: Water

Date Received: 06/20/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136108	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135720	Lab File ID:	P5F62512.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Analysis Date:	06/25/2014 1719			Final Weight/Volume:	5 mL
Prep Date:	06/23/2014 0815			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	2700		100	500
Oil Range Organics (C28-C40)	690		100	500

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	89		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR058WG061914

Lab Sample ID: 240-38755-1

Date Sampled: 06/19/2014 1700

Client Matrix: Water

Date Received: 06/20/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136514	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-136227	Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/27/2014 1839			Injection Volume:	1 uL
Prep Date:	06/26/2014 0750			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.18	0.52
Aroclor-1221	ND		0.14	0.52
Aroclor-1232	ND		0.17	0.52
Aroclor-1242	ND		0.23	0.52
Aroclor-1248	ND		0.10	0.52
Aroclor-1254	ND		0.17	0.52
Aroclor-1260	ND		0.18	0.52
Aroclor-1262	ND		0.16	0.52
Aroclor-1268	ND		0.25	0.52
Polychlorinated biphenyls, Total	ND		0.10	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		35 - 137
DCB Decachlorobiphenyl	25		10 - 140

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38755-1

Client Sample ID: PLR059WG061914

Lab Sample ID: 240-38755-2

Date Sampled: 06/19/2014 1420

Client Matrix: Water

Date Received: 06/20/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136514	Instrument ID:	A2HP11
Prep Method:	3520C	Prep Batch:	240-136227	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	06/27/2014 1854			Injection Volume:	1 uL
Prep Date:	06/26/2014 0750			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
Polychlorinated biphenyls, Total	ND		0.097	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		35 - 137
DCB Decachlorobiphenyl	39		10 - 140

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-38755-1

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.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-136351					
LCS 240-136351/4	Lab Control Sample	T	Water	8260C	
MB 240-136351/7	Method Blank	T	Water	8260C	
240-38755-1	PLR058WG061914	T	Water	8260C	
240-38755-2	PLR059WG061914	T	Water	8260C	
Analysis Batch:240-136964					
LCS 240-136964/5	Lab Control Sample	T	Water	8260C	
MB 240-136964/4	Method Blank	T	Water	8260C	
240-38755-2	PLR059WG061914	T	Water	8260C	
Report Basis					
T = Total					
GC Semi VOA					
Prep Batch: 240-135720					
LCS 240-135720/5-A	Lab Control Sample	T	Water	3520C	
MB 240-135720/4-A	Method Blank	T	Water	3520C	
240-38755-1	PLR058WG061914	T	Water	3520C	
240-38755-2	PLR059WG061914	T	Water	3520C	
Analysis Batch:240-136108					
PB 240-136108/4	Preparation / Extraction Blank	T	Water	8015D	
LCS 240-135720/5-A	Lab Control Sample	T	Water	8015D	240-135720
MB 240-135720/4-A	Method Blank	T	Water	8015D	240-135720
240-38755-1	PLR058WG061914	T	Water	8015D	240-135720
240-38755-2	PLR059WG061914	T	Water	8015D	240-135720
Prep Batch: 240-136227					
LCS 240-136227/4-A	Lab Control Sample	T	Water	3520C	
MB 240-136227/3-A	Method Blank	T	Water	3520C	
240-38755-1	PLR058WG061914	T	Water	3520C	
240-38755-2	PLR059WG061914	T	Water	3520C	
Analysis Batch:240-136514					
LCS 240-136227/4-A	Lab Control Sample	T	Water	8082A	240-136227
MB 240-136227/3-A	Method Blank	T	Water	8082A	240-136227
240-38755-1	PLR058WG061914	T	Water	8082A	240-136227
240-38755-2	PLR059WG061914	T	Water	8082A	240-136227

Report Basis

T = Total

TestAmerica Canton

Client: EnSafe, Inc.

Job Number: 240-38755-1

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
240-38755-1	PLR058WG061914	92	94	95	94
240-38755-2	PLR059WG061914	95	94	93	93
240-38755-2	PLR059WG061914	92	94	87	98
MB 240-136351/7		98	95	99	96
MB 240-136964/4		90	89	83	99
LCS 240-136351/4		101	104	101	101
LCS 240-136964/5		88	92	85	97

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

Client: EnSafe, Inc.

Job Number: 240-38755-1

Surrogate Recovery Report

8015D Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
240-38755-1	PLR058WG061914	80
240-38755-2	PLR059WG061914	89
MB 240-135720/4-A		79
LCS 240-135720/5-A		94

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-160

Client: EnSafe, Inc.

Job Number: 240-38755-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
240-38755-1	PLR058WG061914	71	25
240-38755-2	PLR059WG061914	76	39
MB 240-136227/3-A		77	83
LCS 240-136227/4-A		77	76

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-137
DCB = DCB Decachlorobiphenyl	10-140

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Method Blank - Batch: 240-136351

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136351/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 1754
Prep Date: 06/26/2014 1754
Leach Date: N/A

Analysis Batch: 240-136351
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX16
Lab File ID: UXM6513.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	0.376	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.80		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	0.382	J	0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Method Blank - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 240-136351/7
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2014 1754
 Prep Date: 06/26/2014 1754
 Leach Date: N/A

Analysis Batch: 240-136351
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX16
 Lab File ID: UXM6513.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	98	66 - 120
Dibromofluoromethane (Surr)	95	75 - 121
1,2-Dichloroethane-d4 (Surr)	99	63 - 129
Toluene-d8 (Surr)	96	74 - 120

Method Blank TICs- Batch: 240-136351

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
110-54-3	Hexane	3.99	0.483	J
91-20-3	Naphthalene	12.77	0.550	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Lab Control Sample - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136351/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2014 1647
 Prep Date: 06/26/2014 1647
 Leach Date: N/A

Analysis Batch: 240-136351
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX16
 Lab File ID: UXM6510.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	50.0	54.9	110	43 - 136	
Benzene	25.0	27.2	109	80 - 120	
Bromoform	25.0	23.2	93	40 - 131	
Bromomethane	25.0	26.9	108	11 - 185	
2-Butanone (MEK)	50.0	56.1	112	60 - 126	
Carbon disulfide	25.0	28.3	113	62 - 142	
Carbon tetrachloride	25.0	29.5	118	66 - 128	
Chlorobenzene	25.0	27.1	108	80 - 120	
Chlorodibromomethane	25.0	27.3	109	64 - 120	
Chloroethane	25.0	24.1	96	25 - 153	
Chloroform	25.0	28.2	113	79 - 120	
Chloromethane	25.0	25.7	103	44 - 126	
cis-1,2-Dichloroethene	25.0	27.1	108	80 - 120	
cis-1,3-Dichloropropene	25.0	27.9	112	61 - 120	
Cyclohexane	25.0	28.8	115	54 - 121	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	42 - 136	
1,2-Dichlorobenzene	25.0	26.1	104	80 - 120	
1,3-Dichlorobenzene	25.0	26.4	105	80 - 120	
1,4-Dichlorobenzene	25.0	26.0	104	80 - 120	
Dichlorobromomethane	25.0	27.0	108	72 - 121	
Dichlorodifluoromethane	25.0	26.5	106	19 - 129	
1,1-Dichloroethane	25.0	27.9	112	80 - 120	
1,2-Dichloroethane	25.0	28.1	112	71 - 127	
1,1-Dichloroethene	25.0	27.6	110	78 - 131	
1,2-Dichloropropane	25.0	27.0	108	80 - 120	
Ethylbenzene	25.0	27.0	108	80 - 120	
Ethylene Dibromide	25.0	28.1	112	79 - 120	
2-Hexanone	50.0	51.1	102	55 - 133	
Isopropylbenzene	25.0	28.4	114	75 - 120	
Methyl acetate	125	129	103	58 - 131	
Methylcyclohexane	25.0	29.5	118	56 - 127	
Methylene Chloride	25.0	29.5	118	66 - 131	
4-Methyl-2-pentanone (MIBK)	50.0	55.6	111	63 - 128	
Methyl tert-butyl ether	25.0	24.7	99	52 - 144	
m-Xylene & p-Xylene	25.0	27.3	109	80 - 120	
o-Xylene	25.0	27.2	109	80 - 120	
Styrene	25.0	27.3	109	79 - 120	
1,1,2,2-Tetrachloroethane	25.0	27.3	109	68 - 120	
Tetrachloroethene	25.0	29.6	118	79 - 120	
Toluene	25.0	26.2	105	80 - 120	
trans-1,2-Dichloroethene	25.0	28.5	114	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Lab Control Sample - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136351/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2014 1647
 Prep Date: 06/26/2014 1647
 Leach Date: N/A

Analysis Batch: 240-136351
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX16
 Lab File ID: UXM6510.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,3-Dichloropropene	25.0	29.0	116	58 - 120	
1,2,4-Trichlorobenzene	25.0	26.1	104	48 - 135	
1,1,1-Trichloroethane	25.0	29.4	118	74 - 120	
1,1,2-Trichloroethane	25.0	26.3	105	80 - 120	
Trichloroethene	25.0	29.8	119	76 - 120	
Trichlorofluoromethane	25.0	27.8	111	49 - 157	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8	115	74 - 151	
Vinyl chloride	25.0	26.3	105	53 - 127	
Xylenes, Total	50.0	54.5	109	80 - 120	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene (Surr)	101		66 - 120		
Dibromofluoromethane (Surr)	104		75 - 121		
1,2-Dichloroethane-d4 (Surr)	101		63 - 129		
Toluene-d8 (Surr)	101		74 - 120		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Method Blank - Batch: 240-136964

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136964/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1017
Prep Date: 07/02/2014 1017
Leach Date: N/A

Analysis Batch: 240-136964
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944656.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.05		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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Method Blank - Batch: 240-136964

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-136964/4	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944656.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1017	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1017				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	90	66 - 120
Dibromofluoromethane (Surr)	89	75 - 121
1,2-Dichloroethane-d4 (Surr)	83	63 - 129
Toluene-d8 (Surr)	99	74 - 120

Method Blank TICs- Batch: 240-136964

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
142-82-5	n-Heptane	5.28	0.609	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Lab Control Sample - Batch: 240-136964

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136964/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/02/2014 0931
 Prep Date: 07/02/2014 0931
 Leach Date: N/A

Analysis Batch: 240-136964
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX944654.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	40.0	29.2	73	43 - 136	
Benzene	20.0	21.1	106	80 - 120	
Bromoform	20.0	15.7	79	40 - 131	
Bromomethane	20.0	18.0	90	11 - 185	
2-Butanone (MEK)	40.0	32.3	81	60 - 126	
Carbon disulfide	20.0	22.3	112	62 - 142	
Carbon tetrachloride	20.0	19.6	98	66 - 128	
Chlorobenzene	20.0	19.5	97	80 - 120	
Chlorodibromomethane	20.0	19.3	96	64 - 120	
Chloroethane	20.0	18.1	91	25 - 153	
Chloroform	20.0	21.0	105	79 - 120	
Chloromethane	20.0	19.6	98	44 - 126	
cis-1,2-Dichloroethene	20.0	20.0	100	80 - 120	
cis-1,3-Dichloropropene	20.0	21.0	105	61 - 120	
Cyclohexane	20.0	22.2	111	54 - 121	
1,2-Dibromo-3-Chloropropane	20.0	16.9	85	42 - 136	
1,2-Dichlorobenzene	20.0	18.3	91	80 - 120	
1,3-Dichlorobenzene	20.0	19.4	97	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
Dichlorobromomethane	20.0	21.2	106	72 - 121	
Dichlorodifluoromethane	20.0	15.9	80	19 - 129	
1,1-Dichloroethane	20.0	19.7	99	80 - 120	
1,2-Dichloroethane	20.0	19.9	100	71 - 127	
1,1-Dichloroethene	20.0	21.2	106	78 - 131	
1,2-Dichloropropane	20.0	20.8	104	80 - 120	
Ethylbenzene	20.0	19.5	98	80 - 120	
Ethylene Dibromide	20.0	19.1	96	79 - 120	
2-Hexanone	40.0	32.0	80	55 - 133	
Isopropylbenzene	20.0	19.9	100	75 - 120	
Methyl acetate	100	88.7	89	58 - 131	
Methylcyclohexane	20.0	21.3	107	56 - 127	
Methylene Chloride	20.0	20.8	104	66 - 131	
4-Methyl-2-pentanone (MIBK)	40.0	36.0	90	63 - 128	
Methyl tert-butyl ether	20.0	19.1	96	52 - 144	
m-Xylene & p-Xylene	20.0	20.9	105	80 - 120	
o-Xylene	20.0	20.6	103	80 - 120	
Styrene	20.0	21.5	107	79 - 120	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	68 - 120	
Tetrachloroethene	20.0	21.7	109	79 - 120	
Toluene	20.0	20.0	100	80 - 120	
trans-1,2-Dichloroethene	20.0	21.7	108	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Lab Control Sample - Batch: 240-136964

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136964/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/02/2014 0931
 Prep Date: 07/02/2014 0931
 Leach Date: N/A

Analysis Batch: 240-136964
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX944654.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,3-Dichloropropene	20.0	22.6	113	58 - 120	
1,2,4-Trichlorobenzene	20.0	19.3	96	48 - 135	
1,1,1-Trichloroethane	20.0	21.4	107	74 - 120	
1,1,2-Trichloroethane	20.0	18.6	93	80 - 120	
Trichloroethene	20.0	21.0	105	76 - 120	
Trichlorofluoromethane	20.0	19.0	95	49 - 157	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7	113	74 - 151	
Vinyl chloride	20.0	20.4	102	53 - 127	
Xylenes, Total	40.0	41.5	104	80 - 120	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	88	66 - 120
Dibromofluoromethane (Surr)	92	75 - 121
1,2-Dichloroethane-d4 (Surr)	85	63 - 129
Toluene-d8 (Surr)	97	74 - 120

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Method Blank - Batch: 240-135720

Method: 8015D Preparation: 3520C

Lab Sample ID: MB 240-135720/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2014 1516
Prep Date: 06/23/2014 0815
Leach Date: N/A

Analysis Batch: 240-136108
Prep Batch: 240-135720
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F62508.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		110	500
Oil Range Organics (C28-C40)	ND		110	500
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl	79		40 - 160	

Lab Control Sample - Batch: 240-135720

Method: 8015D Preparation: 3520C

Lab Sample ID: LCS 240-135720/5-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2014 1547
Prep Date: 06/23/2014 0815
Leach Date: N/A

Analysis Batch: 240-136108
Prep Batch: 240-135720
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F62509.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10 - C28]	2500	2180	87	40 - 124	
Surrogate	% Rec		Acceptance Limits		
o-Terphenyl	94		40 - 160		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Preparation / Extraction Blank - Batch: 240-136108

Method: 8015D
Preparation: N/A

Lab Sample ID:	PB 240-136108/4	Analysis Batch:	240-136108	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5F62504.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/25/2014 1313	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		21000	100000
Oil Range Organics (C28-C40)	ND		21000	100000
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl				

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38755-1

Method Blank - Batch: 240-136227

Method: 8082A Preparation: 3520C

Lab Sample ID: MB 240-136227/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2014 1908
Prep Date: 06/26/2014 0750
Leach Date: N/A

Analysis Batch: 240-136514
Prep Batch: 240-136227
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP11
Lab File ID: P1100013.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.17	0.50
Aroclor-1221	ND		0.13	0.50
Aroclor-1232	ND		0.16	0.50
Aroclor-1242	ND		0.22	0.50
Aroclor-1248	ND		0.10	0.50
Aroclor-1254	ND		0.16	0.50
Aroclor-1260	ND		0.17	0.50
Aroclor-1262	ND		0.15	0.50
Aroclor-1268	ND		0.24	0.50
Polychlorinated biphenyls, Total	ND		0.10	0.50
Surrogate	% Rec		Acceptance Limits	
Tetrachloro-m-xylene	77		35 - 137	
DCB Decachlorobiphenyl	83		10 - 140	

Lab Control Sample - Batch: 240-136227

Method: 8082A Preparation: 3520C

Lab Sample ID: LCS 240-136227/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/27/2014 1922
Prep Date: 06/26/2014 0750
Leach Date: N/A

Analysis Batch: 240-136514
Prep Batch: 240-136227
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP11
Lab File ID: P1100014.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	5.00	4.19	84	56 - 130	
Aroclor-1260	5.00	4.44	89	43 - 126	
Surrogate	% Rec		Acceptance Limits		
Tetrachloro-m-xylene	77		35 - 137		
DCB Decachlorobiphenyl	76		10 - 140		

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-38755 Chain of Custody

[illegible]

(1) Matrix Code: AA=Air, AQ=Air Quality Control Matrix, DC=Drill Cuttings, GS=Soil Gas, LD=Drilling Fluid, LF=Free Product, LH=Liquid Waste, Oil=Oil, SE=Sediment, SF=Filter Sandpack, SI=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid Quality Control Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, U=Unknown, WA=Aqueous Drill Cuttings, WE=Estuary, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water Quality Control Matrix, WS=Surface Water, WW=Waste Water

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

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

Rev. 06/05

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 38755

Canton Facility _____

Client Ersafe Site Name _____

Cooler unpacked by: _____

Cooler Received on 6-20-14 Opened on 6-20-14FedEx: 1st Grd ☒ UPS ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____TestAmerica Cooler # _____ Foam Box ☒ Client Cooler ☐ Box ☐ Other _____Packing material used: ☒ Bubble Wrap ☐ Foam ☐ Plastic Bag ☐ None ☐ Other _____COOLANT: ☒ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ Water ☐ None

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 4 (CF -2 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

IR GUN# 5 (CF +0 °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☐ See Multiple
Cooler Form2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 ☒ Yes ☐ No-Were custody seals on the outside of the cooler(s) signed & dated? ☒ Yes ☐ No NA-Were custody seals on the bottle(s)? ☐ Yes ☒ No3. Shippers' packing slip attached to the cooler(s)? ☒ Yes ☐ No4. Did custody papers accompany the sample(s)? ☒ Yes ☐ No5. Were the custody papers relinquished & signed in the appropriate place? ☒ Yes ☐ No6. Did all bottles arrive in good condition (Unbroken)? ☒ Yes ☐ No7. Could all bottle labels be reconciled with the COC? ☒ Yes ☐ No8. Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No9. Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No10. Were sample(s) at the correct pH upon receipt? ☐ Yes ☐ No ☒ NA pH Strip Lot# HC30258711. Were VOAs on the COC? ☒ Yes ☐ No12. Were air bubbles >6 mm in any VOA vials? ☐ Yes ☒ NA13. Was a trip blank present in the cooler(s)? ☐ Yes ☒ No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: _____

15. SAMPLE CONDITION

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

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

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

16. SAMPLE PRESERVATION

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

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

ANALYTICAL REPORT

Job Number: 240-38788-1

Job Description: MH3 Oil Source Investigation

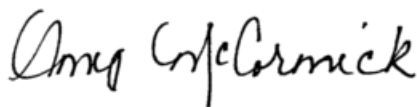
For:

EnSafe, Inc.

220 Athens Way, Plaza 1, Suite 410

Nashville, TN 37228

Attention: Ms. May Heflin



Approved for release.
Amy L. McCormick
Project Manager II
7/7/2014 10:53 AM

Amy L. McCormick, Project Manager II
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/07/2014

cc: Shane Goodnight
Final Data Tracking

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

TestAmerica Laboratories, Inc.

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

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

CASE NARRATIVE

Client: EnSafe, Inc.

Project: MH3 Oil Source Investigation

Report Number: 240-38788-1

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

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

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

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

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

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

RECEIPT

The samples were received on 6/21/2014 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.4° C, 1.4° C, 1.6° C and 1.8° C.

Sample ID changed from MW62WG062014 to MW53WG062014 as instructed by Shane Goodnight on June 26, 2014.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples PLR061WG062014 (240-38788-1), PLR060WG062014 (240-38788-2), PLR057WG062014 (240-38788-3), PLR056WG062014 (240-38788-4), MW51WG062014 (240-38788-5), MW52WG062014 (240-38788-6), MW53WG062014 (240-38788-7) and PLR063WG062014 (240-38788-8) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 06/26/2014 and 07/02/2014.

Samples PLR061WG062014 (240-38788-1)[1250X], PLR056WG062014 (240-38788-4)[4X], MW51WG062014 (240-38788-5)[1.25X], MW52WG062014 (240-38788-6)[33.33X], MW53WG062014 (240-38788-7)[416.67X] and PLR063WG062014 (240-38788-8)[14.29X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-136351/7 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.

1,2,4-Trichlorobenzene and Carbon disulfide were detected in method blank MB 240-136351/7 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Methylene Chloride was detected in method blank MB 240-136964/4 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

The continuing calibration verification (CCV) for analytical batch 136351 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 additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL RANGE ORGANICS

Samples PLR061WG062014 (240-38788-1), PLR060WG062014 (240-38788-2), PLR057WG062014 (240-38788-3), MW51WG062014

(240-38788-5), MW52WG062014 (240-38788-6), MW53WG062014 (240-38788-7) and PLR063WG062014 (240-38788-8) were analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D-DRO. The samples were prepared on 06/24/2014 and analyzed on 06/26/2014 and 06/27/2014.

Sample PLR063WG062014 (240-38788-8)[200X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Samples PLR061WG062014 (240-38788-1) and PLR063WG062014 (240-38788-8) contained an unidentified mixture of hydrocarbons in the range of C16-C34. No match was identified in the laboratory's reference library.

Samples PLR060WG062014 (240-38788-2), PLR057WG062014 (240-38788-3), and MW51WG062014 (240-38788-5) were reported as ND or J values so no identifiable petroleum product was present.

Samples MW52WG062014 (240-38788-6) and MW53WG062014 (240-38788-7) contained an unidentified mixture of hydrocarbons that eluted in the approximate range of C16-C28. No match was identified in the laboratory's reference library.

o-Terphenyl failed the surrogate recovery criteria high for PLR063WG062014 (240-38788-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples PLR061WG062014 (240-38788-1), PLR060WG062014 (240-38788-2), PLR057WG062014 (240-38788-3), MW51WG062014 (240-38788-5), MW52WG062014 (240-38788-6), MW53WG062014 (240-38788-7) and PLR063WG062014 (240-38788-8) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 06/24/2014 and analyzed on 06/25/2014 and 06/26/2014.

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

Sample PLR063WG062014 (240-38788-8)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Sample MW52WG062014 (240-38788-6) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Sample PLR063WG062014 (240-38788-8) appears to contain polychlorinated biphenyls (PCBs). The sample has been quantified and reported as a mixture of Aroclors. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with this result. The best overall pattern match was used for identification and quantitation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38788-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38788-1 PLR061WG062014						
cis-1,2-Dichloroethene		17000		1300	ug/L	8260C
Methylene Chloride		490	J B	1300	ug/L	8260C
Trichloroethene		64000		1300	ug/L	8260C
Diesel Range Organics [C10 - C28]		570		480	ug/L	8015D
Oil Range Organics (C28-C40)		210	J	480	ug/L	8015D
240-38788-2 PLR060WG062014						
Acetone		3.2	J	10	ug/L	8260C
Benzene		0.22	J	1.0	ug/L	8260C
Carbon disulfide		0.56	J B	1.0	ug/L	8260C
Chloroform		1.1		1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.59	J	1.0	ug/L	8260C
Methylene Chloride		1.6	B	1.0	ug/L	8260C
Toluene		0.35	J	1.0	ug/L	8260C
Trichloroethene		16		1.0	ug/L	8260C
Diesel Range Organics [C10 - C28]		280	J	480	ug/L	8015D
Oil Range Organics (C28-C40)		240	J	480	ug/L	8015D
240-38788-3 PLR057WG062014						
Acetone		1.7	J	10	ug/L	8260C
Carbon disulfide		0.39	J B	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.26	J	1.0	ug/L	8260C
1,1-Dichloroethane		0.19	J	1.0	ug/L	8260C
Methylene Chloride		1.4	B	1.0	ug/L	8260C
Styrene		0.11	J	1.0	ug/L	8260C
Toluene		0.13	J	1.0	ug/L	8260C
Trichloroethene		0.59	J	1.0	ug/L	8260C
Diesel Range Organics [C10 - C28]		450	J	480	ug/L	8015D
Oil Range Organics (C28-C40)		190	J	480	ug/L	8015D
240-38788-4 PLR056WG062014						
cis-1,2-Dichloroethene		150		4.0	ug/L	8260C
1,1-Dichloroethane		1.1	J	4.0	ug/L	8260C
1,1-Dichloroethene		1.2	J	4.0	ug/L	8260C
Methylene Chloride		7.5	B	4.0	ug/L	8260C
Toluene		0.52	J	4.0	ug/L	8260C
trans-1,2-Dichloroethene		7.0		4.0	ug/L	8260C
Trichloroethene		310		4.0	ug/L	8260C
Vinyl chloride		4.9		4.0	ug/L	8260C

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 240-38788-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-38788-5	MW51WG062014					
Carbon disulfide		0.27	J B	1.3	ug/L	8260C
Chloroethane		0.56	J	1.3	ug/L	8260C
Chloroform		0.79	J	1.3	ug/L	8260C
cis-1,2-Dichloroethene		50		1.3	ug/L	8260C
1,1-Dichloroethane		8.9		1.3	ug/L	8260C
1,1-Dichloroethene		2.4		1.3	ug/L	8260C
Methylene Chloride		2.9	B	1.3	ug/L	8260C
trans-1,2-Dichloroethene		1.2	J	1.3	ug/L	8260C
1,1,1-Trichloroethane		5.9		1.3	ug/L	8260C
Trichloroethene		77		1.3	ug/L	8260C
240-38788-6	MW52WG062014					
Carbon disulfide		8.4	J B	33	ug/L	8260C
cis-1,2-Dichloroethene		1300		33	ug/L	8260C
Methylene Chloride		71	B	33	ug/L	8260C
Diesel Range Organics [C10 - C28]		3100		480	ug/L	8015D
Oil Range Organics (C28-C40)		730		480	ug/L	8015D
240-38788-7	MW53WG062014					
cis-1,2-Dichloroethene		7100		420	ug/L	8260C
Vinyl chloride		740		420	ug/L	8260C
Diesel Range Organics [C10 - C28]		1100		480	ug/L	8015D
Oil Range Organics (C28-C40)		520		480	ug/L	8015D
240-38788-8	PLR063WG062014					
Acetone		23	J	140	ug/L	8260C
cis-1,2-Dichloroethene		310		14	ug/L	8260C
Methylene Chloride		5.2	J B	14	ug/L	8260C
Vinyl chloride		44		14	ug/L	8260C
Diesel Range Organics [C10 - C28]		630000		100000	ug/L	8015D
Oil Range Organics (C28-C40)		100000		100000	ug/L	8015D
Aroclor-1254		5.0		1.0	ug/L	8082A
Polychlorinated biphenyls, Total		5.0		1.0	ug/L	8082A

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38788-1

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
Diesel Range Organics (DRO) (GC)	TAL CAN	SW846 8015D	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082A	
Liquid-Liquid Extraction (Continuous)	TAL CAN		SW846 3520C

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: 240-38788-1

Method	Analyst	Analyst ID
SW846 8260C	Quayle, Rick	RJQ
SW846 8015D	Bolgrin, Deborah	DEB
SW846 8082A	Bosworth, Heather M	HMB

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 240-38788-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-38788-1	PLR061WG062014	Water	06/20/2014 0730	06/21/2014 0930
240-38788-2	PLR060WG062014	Water	06/20/2014 1000	06/21/2014 0930
240-38788-3	PLR057WG062014	Water	06/20/2014 1100	06/21/2014 0930
240-38788-4	PLR056WG062014	Water	06/20/2014 1200	06/21/2014 0930
240-38788-5	MW51WG062014	Water	06/20/2014 1300	06/21/2014 0930
240-38788-6	MW52WG062014	Water	06/20/2014 1410	06/21/2014 0930
240-38788-7	MW53WG062014	Water	06/20/2014 1535	06/21/2014 0930
240-38788-8	PLR063WG062014	Water	06/20/2014 1630	06/21/2014 0930

SAMPLE RESULTS

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR061WG062014

Lab Sample ID: 240-38788-1

Date Sampled: 06/20/2014 0730

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944658.D
Dilution:	1250			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1103			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1400	13000
Benzene	ND		160	1300
Bromoform	ND		800	1300
Bromomethane	ND		510	1300
2-Butanone (MEK)	ND		710	13000
Carbon disulfide	ND		160	1300
Carbon tetrachloride	ND		160	1300
Chlorobenzene	ND		190	1300
Chlorodibromomethane	ND		230	1300
Chloroethane	ND		360	1300
Chloroform	ND		200	1300
Chloromethane	ND		380	1300
cis-1,2-Dichloroethene	17000		210	1300
cis-1,3-Dichloropropene	ND		180	1300
Cyclohexane	ND		150	1300
1,2-Dibromo-3-Chloropropane	ND		840	2500
1,2-Dichlorobenzene	ND		160	1300
1,3-Dichlorobenzene	ND		180	1300
1,4-Dichlorobenzene	ND		160	1300
Dichlorobromomethane	ND		190	1300
Dichlorodifluoromethane	ND		390	1300
1,1-Dichloroethane	ND		190	1300
1,2-Dichloroethane	ND		280	1300
1,1-Dichloroethene	ND		240	1300
1,2-Dichloropropane	ND		230	1300
Ethylbenzene	ND		210	1300
Ethylene Dibromide	ND		300	1300
2-Hexanone	ND		510	13000
Isopropylbenzene	ND		160	1300
Methyl acetate	ND		480	13000
Methylcyclohexane	ND		160	1300
Methylene Chloride	490	J B	410	1300
4-Methyl-2-pentanone (MIBK)	ND		400	13000
Methyl tert-butyl ether	ND		210	1300
Styrene	ND		140	1300
1,1,2,2-Tetrachloroethane	ND		230	1300
Tetrachloroethene	ND		360	1300
Toluene	ND		160	1300
trans-1,2-Dichloroethene	ND		240	1300
trans-1,3-Dichloropropene	ND		240	1300
1,2,4-Trichlorobenzene	ND		190	1300
1,1,1-Trichloroethane	ND		280	1300
1,1,2-Trichloroethane	ND		340	1300
Trichloroethene	64000		210	1300
Trichlorofluoromethane	ND		260	1300
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		350	1300

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR061WG062014

Lab Sample ID: 240-38788-1

Date Sampled: 06/20/2014 0730

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944658.D
Dilution:	1250			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1103			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		280	1300
Xylenes, Total	ND		180	2500

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		66 - 120
Dibromofluoromethane (Surr)	88		75 - 121
1,2-Dichloroethane-d4 (Surr)	84		63 - 129
Toluene-d8 (Surr)	98		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR061WG062014

Lab Sample ID: 240-38788-1

Client Matrix: Water

Date Sampled: 06/20/2014 0730

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136964

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944658.D

Dilution: 1250

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1103

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1103

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR060WG062014

Lab Sample ID: 240-38788-2

Date Sampled: 06/20/2014 1000

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6523.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2143			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2143				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	3.2	J	1.1	10
Benzene	0.22	J	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	0.56	J B	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	1.1		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.59	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.6	B	0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	ND		0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.35	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	16		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR060WG062014

Lab Sample ID: 240-38788-2

Date Sampled: 06/20/2014 1000

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6523.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2143			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2143				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	98		66 - 120
Dibromofluoromethane (Surr)	96		75 - 121
1,2-Dichloroethane-d4 (Surr)	93		63 - 129
Toluene-d8 (Surr)	98		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR060WG062014

Lab Sample ID: 240-38788-2

Date Sampled: 06/20/2014 1000

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6523.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2143

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2143

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR057WG062014

Lab Sample ID: 240-38788-3

Date Sampled: 06/20/2014 1100

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6525.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2228			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2228				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	1.7	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	0.39	J B	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	0.26	J	0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	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	0.19	J	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.4	B	0.33	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.32	10
Methyl tert-butyl ether	ND		0.17	1.0
Styrene	0.11	J	0.11	1.0
1,1,2,2-Tetrachloroethane	ND		0.18	1.0
Tetrachloroethene	ND		0.29	1.0
Toluene	0.13	J	0.13	1.0
trans-1,2-Dichloroethene	ND		0.19	1.0
trans-1,3-Dichloropropene	ND		0.19	1.0
1,2,4-Trichlorobenzene	ND		0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
Trichloroethene	0.59	J	0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR057WG062014

Lab Sample ID: 240-38788-3

Date Sampled: 06/20/2014 1100

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6525.D
Dilution:	1.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2228			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2228				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	91		66 - 120
Dibromofluoromethane (Surr)	97		75 - 121
1,2-Dichloroethane-d4 (Surr)	94		63 - 129
Toluene-d8 (Surr)	92		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR057WG062014

Lab Sample ID: 240-38788-3

Date Sampled: 06/20/2014 1100

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6525.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2228

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2228

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

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR056WG062014

Lab Sample ID: 240-38788-4

Date Sampled: 06/20/2014 1200

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6526.D

Dilution: 4.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2250

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2250

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		4.4	40
Benzene	ND		0.52	4.0
Bromoform	ND		2.6	4.0
Bromomethane	ND		1.6	4.0
2-Butanone (MEK)	ND		2.3	40
Carbon disulfide	ND		0.52	4.0
Carbon tetrachloride	ND		0.52	4.0
Chlorobenzene	ND		0.60	4.0
Chlorodibromomethane	ND		0.72	4.0
Chloroethane	ND		1.2	4.0
Chloroform	ND		0.64	4.0
Chloromethane	ND		1.2	4.0
cis-1,2-Dichloroethene	150		0.68	4.0
cis-1,3-Dichloropropene	ND		0.56	4.0
Cyclohexane	ND		0.48	4.0
1,2-Dibromo-3-Chloropropane	ND		2.7	8.0
1,2-Dichlorobenzene	ND		0.52	4.0
1,3-Dichlorobenzene	ND		0.56	4.0
1,4-Dichlorobenzene	ND		0.52	4.0
Dichlorobromomethane	ND		0.60	4.0
Dichlorodifluoromethane	ND		1.2	4.0
1,1-Dichloroethane	1.1	J	0.60	4.0
1,2-Dichloroethane	ND		0.88	4.0
1,1-Dichloroethene	1.2	J	0.76	4.0
1,2-Dichloropropane	ND		0.72	4.0
Ethylbenzene	ND		0.68	4.0
Ethylene Dibromide	ND		0.96	4.0
2-Hexanone	ND		1.6	40
Isopropylbenzene	ND		0.52	4.0
Methyl acetate	ND		1.5	40
Methylcyclohexane	ND		0.52	4.0
Methylene Chloride	7.5	B	1.3	4.0
4-Methyl-2-pentanone (MIBK)	ND		1.3	40
Methyl tert-butyl ether	ND		0.68	4.0
Styrene	ND		0.44	4.0
1,1,2,2-Tetrachloroethane	ND		0.72	4.0
Tetrachloroethene	ND		1.2	4.0
Toluene	0.52	J	0.52	4.0
trans-1,2-Dichloroethene	7.0		0.76	4.0
trans-1,3-Dichloropropene	ND		0.76	4.0
1,2,4-Trichlorobenzene	ND		0.60	4.0
1,1,1-Trichloroethane	ND		0.88	4.0
1,1,2-Trichloroethane	ND		1.1	4.0
Trichloroethene	310		0.68	4.0
Trichlorofluoromethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	4.0

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR056WG062014

Lab Sample ID: 240-38788-4

Date Sampled: 06/20/2014 1200

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6526.D
Dilution:	4.0			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2250			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2250				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	4.9		0.88	4.0
Xylenes, Total	ND		0.56	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	98		66 - 120
Dibromofluoromethane (Surr)	101		75 - 121
1,2-Dichloroethane-d4 (Surr)	99		63 - 129
Toluene-d8 (Surr)	97		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR056WG062014

Lab Sample ID: 240-38788-4

Date Sampled: 06/20/2014 1200

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6526.D

Dilution: 4.0

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2250

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2250

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

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW51WG062014

Lab Sample ID: 240-38788-5

Date Sampled: 06/20/2014 1300

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6527.D
Dilution:	1.25			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2312			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2312				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		1.4	13
Benzene	ND		0.16	1.3
Bromoform	ND		0.80	1.3
Bromomethane	ND		0.51	1.3
2-Butanone (MEK)	ND		0.71	13
Carbon disulfide	0.27	J B	0.16	1.3
Carbon tetrachloride	ND		0.16	1.3
Chlorobenzene	ND		0.19	1.3
Chlorodibromomethane	ND		0.23	1.3
Chloroethane	0.56	J	0.36	1.3
Chloroform	0.79	J	0.20	1.3
Chloromethane	ND		0.38	1.3
cis-1,2-Dichloroethene	50		0.21	1.3
cis-1,3-Dichloropropene	ND		0.18	1.3
Cyclohexane	ND		0.15	1.3
1,2-Dibromo-3-Chloropropane	ND		0.84	2.5
1,2-Dichlorobenzene	ND		0.16	1.3
1,3-Dichlorobenzene	ND		0.18	1.3
1,4-Dichlorobenzene	ND		0.16	1.3
Dichlorobromomethane	ND		0.19	1.3
Dichlorodifluoromethane	ND		0.39	1.3
1,1-Dichloroethane	8.9		0.19	1.3
1,2-Dichloroethane	ND		0.28	1.3
1,1-Dichloroethene	2.4		0.24	1.3
1,2-Dichloropropane	ND		0.23	1.3
Ethylbenzene	ND		0.21	1.3
Ethylene Dibromide	ND		0.30	1.3
2-Hexanone	ND		0.51	13
Isopropylbenzene	ND		0.16	1.3
Methyl acetate	ND		0.48	13
Methylcyclohexane	ND		0.16	1.3
Methylene Chloride	2.9	B	0.41	1.3
4-Methyl-2-pentanone (MIBK)	ND		0.40	13
Methyl tert-butyl ether	ND		0.21	1.3
Styrene	ND		0.14	1.3
1,1,2,2-Tetrachloroethane	ND		0.23	1.3
Tetrachloroethene	ND		0.36	1.3
Toluene	ND		0.16	1.3
trans-1,2-Dichloroethene	1.2	J	0.24	1.3
trans-1,3-Dichloropropene	ND		0.24	1.3
1,2,4-Trichlorobenzene	ND		0.19	1.3
1,1,1-Trichloroethane	5.9		0.28	1.3
1,1,2-Trichloroethane	ND		0.34	1.3
Trichloroethene	77		0.21	1.3
Trichlorofluoromethane	ND		0.26	1.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.35	1.3

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW51WG062014

Lab Sample ID: 240-38788-5

Date Sampled: 06/20/2014 1300

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6527.D
Dilution:	1.25			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2312			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2312				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.28	1.3
Xylenes, Total	ND		0.18	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	96		66 - 120
Dibromofluoromethane (Surr)	101		75 - 121
1,2-Dichloroethane-d4 (Surr)	96		63 - 129
Toluene-d8 (Surr)	98		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW51WG062014

Lab Sample ID: 240-38788-5

Date Sampled: 06/20/2014 1300

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6527.D

Dilution: 1.25

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2312

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2312

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

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW52WG062014

Lab Sample ID: 240-38788-6

Date Sampled: 06/20/2014 1410

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6528.D
Dilution:	33.33			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2334			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2334				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		37	330
Benzene	ND		4.3	33
Bromoform	ND		21	33
Bromomethane	ND		14	33
2-Butanone (MEK)	ND		19	330
Carbon disulfide	8.4	J B	4.3	33
Carbon tetrachloride	ND		4.3	33
Chlorobenzene	ND		5.0	33
Chlorodibromomethane	ND		6.0	33
Chloroethane	ND		9.7	33
Chloroform	ND		5.3	33
Chloromethane	ND		10	33
cis-1,2-Dichloroethene	1300		5.7	33
cis-1,3-Dichloropropene	ND		4.7	33
Cyclohexane	ND		4.0	33
1,2-Dibromo-3-Chloropropane	ND		22	67
1,2-Dichlorobenzene	ND		4.3	33
1,3-Dichlorobenzene	ND		4.7	33
1,4-Dichlorobenzene	ND		4.3	33
Dichlorobromomethane	ND		5.0	33
Dichlorodifluoromethane	ND		10	33
1,1-Dichloroethane	ND		5.0	33
1,2-Dichloroethane	ND		7.3	33
1,1-Dichloroethene	ND		6.3	33
1,2-Dichloropropane	ND		6.0	33
Ethylbenzene	ND		5.7	33
Ethylene Dibromide	ND		8.0	33
2-Hexanone	ND		14	330
Isopropylbenzene	ND		4.3	33
Methyl acetate	ND		13	330
Methylcyclohexane	ND		4.3	33
Methylene Chloride	71	B	11	33
4-Methyl-2-pentanone (MIBK)	ND		11	330
Methyl tert-butyl ether	ND		5.7	33
Styrene	ND		3.7	33
1,1,2,2-Tetrachloroethane	ND		6.0	33
Tetrachloroethene	ND		9.7	33
Toluene	ND		4.3	33
trans-1,2-Dichloroethene	ND		6.3	33
trans-1,3-Dichloropropene	ND		6.3	33
1,2,4-Trichlorobenzene	ND		5.0	33
1,1,1-Trichloroethane	ND		7.3	33
1,1,2-Trichloroethane	ND		9.0	33
Trichloroethene	ND		5.7	33
Trichlorofluoromethane	ND		7.0	33
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.3	33

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW52WG062014

Lab Sample ID: 240-38788-6

Date Sampled: 06/20/2014 1410

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136351	Instrument ID:	A3UX16
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UXM6528.D
Dilution:	33.33			Initial Weight/Volume:	10 mL
Analysis Date:	06/26/2014 2334			Final Weight/Volume:	10 mL
Prep Date:	06/26/2014 2334				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		7.3	33
Xylenes, Total	ND		4.7	67

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		66 - 120
Dibromofluoromethane (Surr)	99		75 - 121
1,2-Dichloroethane-d4 (Surr)	95		63 - 129
Toluene-d8 (Surr)	100		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW52WG062014

Lab Sample ID: 240-38788-6

Date Sampled: 06/20/2014 1410

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136351

Instrument ID: A3UX16

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UXM6528.D

Dilution: 33.33

Initial Weight/Volume: 10 mL

Analysis Date: 06/26/2014 2334

Final Weight/Volume: 10 mL

Prep Date: 06/26/2014 2334

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

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW53WG062014

Lab Sample ID: 240-38788-7

Date Sampled: 06/20/2014 1535

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944665.D
Dilution:	416.67			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1344			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1344				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	ND		460	4200
Benzene	ND		54	420
Bromoform	ND		270	420
Bromomethane	ND		170	420
2-Butanone (MEK)	ND		240	4200
Carbon disulfide	ND		54	420
Carbon tetrachloride	ND		54	420
Chlorobenzene	ND		63	420
Chlorodibromomethane	ND		75	420
Chloroethane	ND		120	420
Chloroform	ND		67	420
Chloromethane	ND		130	420
cis-1,2-Dichloroethene	7100		71	420
cis-1,3-Dichloropropene	ND		58	420
Cyclohexane	ND		50	420
1,2-Dibromo-3-Chloropropane	ND		280	830
1,2-Dichlorobenzene	ND		54	420
1,3-Dichlorobenzene	ND		58	420
1,4-Dichlorobenzene	ND		54	420
Dichlorobromomethane	ND		63	420
Dichlorodifluoromethane	ND		130	420
1,1-Dichloroethane	ND		63	420
1,2-Dichloroethane	ND		92	420
1,1-Dichloroethene	ND		79	420
1,2-Dichloropropane	ND		75	420
Ethylbenzene	ND		71	420
Ethylene Dibromide	ND		100	420
2-Hexanone	ND		170	4200
Isopropylbenzene	ND		54	420
Methyl acetate	ND		160	4200
Methylcyclohexane	ND		54	420
Methylene Chloride	ND		140	420
4-Methyl-2-pentanone (MIBK)	ND		130	4200
Methyl tert-butyl ether	ND		71	420
Styrene	ND		46	420
1,1,2,2-Tetrachloroethane	ND		75	420
Tetrachloroethene	ND		120	420
Toluene	ND		54	420
trans-1,2-Dichloroethene	ND		79	420
trans-1,3-Dichloropropene	ND		79	420
1,2,4-Trichlorobenzene	ND		63	420
1,1,1-Trichloroethane	ND		92	420
1,1,2-Trichloroethane	ND		110	420
Trichloroethene	ND		71	420
Trichlorofluoromethane	ND		88	420
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120	420

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW53WG062014

Lab Sample ID: 240-38788-7

Date Sampled: 06/20/2014 1535

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944665.D
Dilution:	416.67			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1344			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1344				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	740		92	420
Xylenes, Total	ND		58	830

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	90		66 - 120
Dibromofluoromethane (Surr)	93		75 - 121
1,2-Dichloroethane-d4 (Surr)	86		63 - 129
Toluene-d8 (Surr)	97		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW53WG062014

Lab Sample ID: 240-38788-7

Date Sampled: 06/20/2014 1535

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136964

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944665.D

Dilution: 416.67

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1344

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1344

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

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR063WG062014

Lab Sample ID: 240-38788-8

Date Sampled: 06/20/2014 1630

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944666.D
Dilution:	14.29			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1407			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1407				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	23	J	16	140
Benzene	ND		1.9	14
Bromoform	ND		9.1	14
Bromomethane	ND		5.9	14
2-Butanone (MEK)	ND		8.1	140
Carbon disulfide	ND		1.9	14
Carbon tetrachloride	ND		1.9	14
Chlorobenzene	ND		2.1	14
Chlorodibromomethane	ND		2.6	14
Chloroethane	ND		4.1	14
Chloroform	ND		2.3	14
Chloromethane	ND		4.3	14
cis-1,2-Dichloroethene	310		2.4	14
cis-1,3-Dichloropropene	ND		2.0	14
Cyclohexane	ND		1.7	14
1,2-Dibromo-3-Chloropropane	ND		9.6	29
1,2-Dichlorobenzene	ND		1.9	14
1,3-Dichlorobenzene	ND		2.0	14
1,4-Dichlorobenzene	ND		1.9	14
Dichlorobromomethane	ND		2.1	14
Dichlorodifluoromethane	ND		4.4	14
1,1-Dichloroethane	ND		2.1	14
1,2-Dichloroethane	ND		3.1	14
1,1-Dichloroethene	ND		2.7	14
1,2-Dichloropropane	ND		2.6	14
Ethylbenzene	ND		2.4	14
Ethylene Dibromide	ND		3.4	14
2-Hexanone	ND		5.9	140
Isopropylbenzene	ND		1.9	14
Methyl acetate	ND		5.4	140
Methylcyclohexane	ND		1.9	14
Methylene Chloride	5.2	J B	4.7	14
4-Methyl-2-pentanone (MIBK)	ND		4.6	140
Methyl tert-butyl ether	ND		2.4	14
Styrene	ND		1.6	14
1,1,2,2-Tetrachloroethane	ND		2.6	14
Tetrachloroethene	ND		4.1	14
Toluene	ND		1.9	14
trans-1,2-Dichloroethene	ND		2.7	14
trans-1,3-Dichloropropene	ND		2.7	14
1,2,4-Trichlorobenzene	ND		2.1	14
1,1,1-Trichloroethane	ND		3.1	14
1,1,2-Trichloroethane	ND		3.9	14
Trichloroethene	ND		2.4	14
Trichlorofluoromethane	ND		3.0	14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	14

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR063WG062014

Lab Sample ID: 240-38788-8

Date Sampled: 06/20/2014 1630

Client Matrix: Water

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	UX944666.D
Dilution:	14.29			Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1407			Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1407				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	44		3.1	14
Xylenes, Total	ND		2.0	29

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	89		66 - 120
Dibromofluoromethane (Surr)	94		75 - 121
1,2-Dichloroethane-d4 (Surr)	87		63 - 129
Toluene-d8 (Surr)	95		74 - 120

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR063WG062014

Lab Sample ID: 240-38788-8

Client Matrix: Water

Date Sampled: 06/20/2014 1630

Date Received: 06/21/2014 0930

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 240-136964

Instrument ID: A3UX9

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: UX944666.D

Dilution: 14.29

Initial Weight/Volume: 5 mL

Analysis Date: 07/02/2014 1407

Final Weight/Volume: 5 mL

Prep Date: 07/02/2014 1407

Tentatively Identified Compounds

Number TIC's Found: 0

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

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR061WG062014

Lab Sample ID: 240-38788-1

Date Sampled: 06/20/2014 0730

Client Matrix: Water

Date Received: 06/21/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136492	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135865	Lab File ID:	P5F62709.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2014 1846			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0730			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	570		100	480
Oil Range Organics (C28-C40)	210	J	100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	84		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR060WG062014

Lab Sample ID: 240-38788-2

Date Sampled: 06/20/2014 1000

Client Matrix: Water

Date Received: 06/21/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136368	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135865	Lab File ID:	P5F62615.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/26/2014 2349			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0730			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	280	J	100	480
Oil Range Organics (C28-C40)	240	J	100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	87		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR057WG062014

Lab Sample ID: 240-38788-3

Date Sampled: 06/20/2014 1100

Client Matrix: Water

Date Received: 06/21/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136368	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135865	Lab File ID:	P5F62616.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/27/2014 0019			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0730			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	450	J	100	480
Oil Range Organics (C28-C40)	190	J	100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	97		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW51WG062014

Lab Sample ID: 240-38788-5

Date Sampled: 06/20/2014 1300

Client Matrix: Water

Date Received: 06/21/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136368	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135865	Lab File ID:	P5F62610.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/26/2014 2117			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0730			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	ND		100	480
Oil Range Organics (C28-C40)	ND		100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	80		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW52WG062014

Lab Sample ID: 240-38788-6

Date Sampled: 06/20/2014 1410

Client Matrix: Water

Date Received: 06/21/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136368	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135865	Lab File ID:	P5F62611.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/26/2014 2147			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0730			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	3100		100	480
Oil Range Organics (C28-C40)	730		100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	91		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW53WG062014

Lab Sample ID: 240-38788-7

Date Sampled: 06/20/2014 1535

Client Matrix: Water

Date Received: 06/21/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136368	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135865	Lab File ID:	P5F62612.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Analysis Date:	06/26/2014 2217			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0730			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	1100		100	480
Oil Range Organics (C28-C40)	520		100	480

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	88		40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR063WG062014

Lab Sample ID: 240-38788-8

Date Sampled: 06/20/2014 1630

Client Matrix: Water

Date Received: 06/21/2014 0930

8015D Diesel Range Organics (DRO) (GC)

Analysis Method:	8015D	Analysis Batch:	240-136492	Instrument ID:	A2HP5F
Prep Method:	3520C	Prep Batch:	240-135865	Lab File ID:	P5F62708.D
Dilution:	200			Initial Weight/Volume:	1000 mL
Analysis Date:	06/27/2014 1816			Final Weight/Volume:	5 mL
Prep Date:	06/24/2014 0730			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10 - C28]	630000		21000	100000
Oil Range Organics (C28-C40)	100000		21000	100000

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	588	X	40 - 160

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR061WG062014

Lab Sample ID: 240-38788-1

Date Sampled: 06/20/2014 0730

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	900 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1502			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.076	0.22
Aroclor-1221	ND		0.058	0.22
Aroclor-1232	ND		0.071	0.22
Aroclor-1242	ND		0.098	0.22
Aroclor-1248	ND		0.044	0.22
Aroclor-1254	ND		0.071	0.22
Aroclor-1260	ND		0.076	0.22
Aroclor-1262	ND		0.067	0.22
Aroclor-1268	ND		0.11	0.22
Polychlorinated biphenyls, Total	ND		0.044	0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		23 - 136
DCB Decachlorobiphenyl	28		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR061WG062014

Lab Sample ID: 240-38788-1

Date Sampled: 06/20/2014 0730

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	900 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1502			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57		23 - 136
DCB Decachlorobiphenyl	27		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR060WG062014

Lab Sample ID: 240-38788-2

Date Sampled: 06/20/2014 1000

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1517			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.065	0.19
Aroclor-1221	ND		0.050	0.19
Aroclor-1232	ND		0.061	0.19
Aroclor-1242	ND		0.084	0.19
Aroclor-1248	ND		0.038	0.19
Aroclor-1254	ND		0.061	0.19
Aroclor-1260	ND		0.065	0.19
Aroclor-1262	ND		0.057	0.19
Aroclor-1268	ND		0.091	0.19
Polychlorinated biphenyls, Total	ND		0.038	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		23 - 136
DCB Decachlorobiphenyl	13		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR060WG062014

Lab Sample ID: 240-38788-2

Date Sampled: 06/20/2014 1000

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1517			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		23 - 136
DCB Decachlorobiphenyl	15		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR057WG062014

Lab Sample ID: 240-38788-3

Date Sampled: 06/20/2014 1100

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1532			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.065	0.19
Aroclor-1221	ND		0.050	0.19
Aroclor-1232	ND		0.061	0.19
Aroclor-1242	ND		0.084	0.19
Aroclor-1248	ND		0.038	0.19
Aroclor-1254	ND		0.061	0.19
Aroclor-1260	ND		0.065	0.19
Aroclor-1262	ND		0.057	0.19
Aroclor-1268	ND		0.091	0.19
Polychlorinated biphenyls, Total	ND		0.038	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		23 - 136
DCB Decachlorobiphenyl	21		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR057WG062014

Lab Sample ID: 240-38788-3

Date Sampled: 06/20/2014 1100

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1532			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	55		23 - 136
DCB Decachlorobiphenyl	25		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW51WG062014

Lab Sample ID: 240-38788-5

Date Sampled: 06/20/2014 1300

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1401			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.065	0.19
Aroclor-1221	ND		0.050	0.19
Aroclor-1232	ND		0.061	0.19
Aroclor-1242	ND		0.084	0.19
Aroclor-1248	ND		0.038	0.19
Aroclor-1254	ND		0.061	0.19
Aroclor-1260	ND		0.065	0.19
Aroclor-1262	ND		0.057	0.19
Aroclor-1268	ND		0.091	0.19
Polychlorinated biphenyls, Total	ND		0.038	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		23 - 136
DCB Decachlorobiphenyl	57		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW51WG062014

Lab Sample ID: 240-38788-5

Date Sampled: 06/20/2014 1300

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1401			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		23 - 136
DCB Decachlorobiphenyl	62		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW52WG062014

Lab Sample ID: 240-38788-6

Date Sampled: 06/20/2014 1410

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136343	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/26/2014 1430			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.065	0.19
Aroclor-1221	ND		0.050	0.19
Aroclor-1232	ND		0.061	0.19
Aroclor-1242	ND		0.084	0.19
Aroclor-1248	ND		0.038	0.19
Aroclor-1254	ND		0.061	0.19
Aroclor-1260	ND		0.065	0.19
Aroclor-1262	ND		0.057	0.19
Aroclor-1268	ND		0.091	0.19
Polychlorinated biphenyls, Total	ND		0.038	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		23 - 136
DCB Decachlorobiphenyl	22		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW52WG062014

Lab Sample ID: 240-38788-6

Date Sampled: 06/20/2014 1410

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136343	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/26/2014 1430			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		23 - 136
DCB Decachlorobiphenyl	24		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW53WG062014

Lab Sample ID: 240-38788-7

Date Sampled: 06/20/2014 1535

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1431			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.065	0.19
Aroclor-1221	ND		0.050	0.19
Aroclor-1232	ND		0.061	0.19
Aroclor-1242	ND		0.084	0.19
Aroclor-1248	ND		0.038	0.19
Aroclor-1254	ND		0.061	0.19
Aroclor-1260	ND		0.065	0.19
Aroclor-1262	ND		0.057	0.19
Aroclor-1268	ND		0.091	0.19
Polychlorinated biphenyls, Total	ND		0.038	0.19

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62		23 - 136
DCB Decachlorobiphenyl	41		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: MW53WG062014

Lab Sample ID: 240-38788-7

Date Sampled: 06/20/2014 1535

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1431			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62		23 - 136
DCB Decachlorobiphenyl	43		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR063WG062014

Lab Sample ID: 240-38788-8

Date Sampled: 06/20/2014 1630

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	960 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1446			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor-1016	ND		0.35	1.0
Aroclor-1221	ND		0.27	1.0
Aroclor-1232	ND		0.33	1.0
Aroclor-1242	ND		0.46	1.0
Aroclor-1248	ND		0.21	1.0
Aroclor-1254	5.0		0.33	1.0
Aroclor-1260	ND		0.35	1.0
Aroclor-1262	ND		0.31	1.0
Aroclor-1268	ND		0.50	1.0
Polychlorinated biphenyls, Total	5.0		0.21	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	37		23 - 136
DCB Decachlorobiphenyl	11		10 - 130

Analytical Data

Client: EnSafe, Inc.

Job Number: 240-38788-1

Client Sample ID: PLR063WG062014

Lab Sample ID: 240-38788-8

Date Sampled: 06/20/2014 1630

Client Matrix: Water

Date Received: 06/21/2014 0930

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Prep Method:	3520C	Prep Batch:	240-135869	Initial Weight/Volume:	960 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	06/25/2014 1446			Injection Volume:	1 uL
Prep Date:	06/24/2014 0734			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	40		23 - 136
DCB Decachlorobiphenyl	4	p X	10 - 130

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 240-38788-1

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 Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

QUALITY CONTROL RESULTS

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:240-136351					
LCS 240-136351/4	Lab Control Sample	T	Water	8260C	
MB 240-136351/7	Method Blank	T	Water	8260C	
240-38788-2	PLR060WG062014	T	Water	8260C	
240-38788-3	PLR057WG062014	T	Water	8260C	
240-38788-4	PLR056WG062014	T	Water	8260C	
240-38788-5	MW51WG062014	T	Water	8260C	
240-38788-6	MW52WG062014	T	Water	8260C	
Analysis Batch:240-136964					
LCS 240-136964/5	Lab Control Sample	T	Water	8260C	
MB 240-136964/4	Method Blank	T	Water	8260C	
240-38788-1	PLR061WG062014	T	Water	8260C	
240-38788-7	MW53WG062014	T	Water	8260C	
240-38788-8	PLR063WG062014	T	Water	8260C	

Report Basis

T = Total

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-135865					
LCS 240-135865/9-A	Lab Control Sample	T	Water	3520C	
MB 240-135865/8-A	Method Blank	T	Water	3520C	
240-38788-1	PLR061WG062014	T	Water	3520C	
240-38788-2	PLR060WG062014	T	Water	3520C	
240-38788-3	PLR057WG062014	T	Water	3520C	
240-38788-5	MW51WG062014	T	Water	3520C	
240-38788-6	MW52WG062014	T	Water	3520C	
240-38788-7	MW53WG062014	T	Water	3520C	
240-38788-8	PLR063WG062014	T	Water	3520C	
Prep Batch: 240-135869					
LCS 240-135869/9-A	Lab Control Sample	T	Water	3520C	
MB 240-135869/8-A	Method Blank	T	Water	3520C	
240-38788-1	PLR061WG062014	T	Water	3520C	
240-38788-2	PLR060WG062014	T	Water	3520C	
240-38788-3	PLR057WG062014	T	Water	3520C	
240-38788-5	MW51WG062014	T	Water	3520C	
240-38788-6	MW52WG062014	T	Water	3520C	
240-38788-7	MW53WG062014	T	Water	3520C	
240-38788-8	PLR063WG062014	T	Water	3520C	
Analysis Batch:240-136157					
PB 240-136157/2	Preparation / Extraction Blank	T	Water	8082A	
LCS 240-135869/9-A	Lab Control Sample	T	Water	8082A	240-135869
MB 240-135869/8-A	Method Blank	T	Water	8082A	240-135869
240-38788-1	PLR061WG062014	T	Water	8082A	240-135869
240-38788-2	PLR060WG062014	T	Water	8082A	240-135869
240-38788-3	PLR057WG062014	T	Water	8082A	240-135869
240-38788-5	MW51WG062014	T	Water	8082A	240-135869
240-38788-7	MW53WG062014	T	Water	8082A	240-135869
240-38788-8	PLR063WG062014	T	Water	8082A	240-135869
Analysis Batch:240-136343					
PB 240-136343/2	Preparation / Extraction Blank	T	Water	8082A	
240-38788-6	MW52WG062014	T	Water	8082A	240-135869
Analysis Batch:240-136368					
PB 240-136368/4	Preparation / Extraction Blank	T	Water	8015D	
LCS 240-135865/9-A	Lab Control Sample	T	Water	8015D	240-135865
MB 240-135865/8-A	Method Blank	T	Water	8015D	240-135865
240-38788-2	PLR060WG062014	T	Water	8015D	240-135865
240-38788-3	PLR057WG062014	T	Water	8015D	240-135865
240-38788-5	MW51WG062014	T	Water	8015D	240-135865
240-38788-6	MW52WG062014	T	Water	8015D	240-135865
240-38788-7	MW53WG062014	T	Water	8015D	240-135865

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Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-136492					
PB 240-136492/4	Preparation / Extraction Blank	T	Water	8015D	
240-38788-1	PLR061WG062014	T	Water	8015D	240-135865
240-38788-8	PLR063WG062014	T	Water	8015D	240-135865

Report Basis

T = Total

Client: EnSafe, Inc.

Job Number: 240-38788-1

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
240-38788-1	PLR061WG062014	91	88	84	98
240-38788-2	PLR060WG062014	98	96	93	98
240-38788-3	PLR057WG062014	91	97	94	92
240-38788-4	PLR056WG062014	98	101	99	97
240-38788-5	MW51WG062014	96	101	96	98
240-38788-6	MW52WG062014	99	99	95	100
240-38788-7	MW53WG062014	90	93	86	97
240-38788-8	PLR063WG062014	89	94	87	95
MB 240-136351/7		98	95	99	96
MB 240-136964/4		90	89	83	99
LCS 240-136351/4		101	104	101	101
LCS 240-136964/5		88	92	85	97

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

Client: EnSafe, Inc.

Job Number: 240-38788-1

Surrogate Recovery Report

8015D Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
240-38788-1	PLR061WG062014	84
240-38788-2	PLR060WG062014	87
240-38788-3	PLR057WG062014	97
240-38788-5	MW51WG062014	80
240-38788-6	MW52WG062014	91
240-38788-7	MW53WG062014	88
240-38788-8	PLR063WG062014	588X
MB 240-135865/8-A		84
LCS 240-135865/9-A		97

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-160

Client: EnSafe, Inc.

Job Number: 240-38788-1

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
240-38788-1	PLR061WG062014	54	57	28	27
240-38788-2	PLR060WG062014	63	60	13	15
240-38788-3	PLR057WG062014	54	55	21	25
240-38788-5	MW51WG062014	69	68	57	62
240-38788-6	MW52WG062014	63	67	22	24
240-38788-7	MW53WG062014	62	62	41	43
240-38788-8	PLR063WG062014	37	40	11	4p X
MB 240-135869/8-A		66	63	63	68
LCS 240-135869/9-A		64	60	64	69

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Method Blank - Batch: 240-136351

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136351/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 1754
Prep Date: 06/26/2014 1754
Leach Date: N/A

Analysis Batch: 240-136351
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX16
Lab File ID: UXM6513.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	0.376	J	0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.80		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	0.382	J	0.15	1.0
1,1,1-Trichloroethane	ND		0.22	1.0
1,1,2-Trichloroethane	ND		0.27	1.0

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Method Blank - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 240-136351/7
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2014 1754
 Prep Date: 06/26/2014 1754
 Leach Date: N/A

Analysis Batch: 240-136351
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX16
 Lab File ID: UXM6513.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	98	66 - 120
Dibromofluoromethane (Surr)	95	75 - 121
1,2-Dichloroethane-d4 (Surr)	99	63 - 129
Toluene-d8 (Surr)	96	74 - 120

Method Blank TICs- Batch: 240-136351

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
110-54-3	Hexane	3.99	0.483	J
91-20-3	Naphthalene	12.77	0.550	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Lab Control Sample - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136351/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 1647
Prep Date: 06/26/2014 1647
Leach Date: N/A

Analysis Batch: 240-136351
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX16
Lab File ID: UXM6510.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	50.0	54.9	110	43 - 136	
Benzene	25.0	27.2	109	80 - 120	
Bromoform	25.0	23.2	93	40 - 131	
Bromomethane	25.0	26.9	108	11 - 185	
2-Butanone (MEK)	50.0	56.1	112	60 - 126	
Carbon disulfide	25.0	28.3	113	62 - 142	
Carbon tetrachloride	25.0	29.5	118	66 - 128	
Chlorobenzene	25.0	27.1	108	80 - 120	
Chlorodibromomethane	25.0	27.3	109	64 - 120	
Chloroethane	25.0	24.1	96	25 - 153	
Chloroform	25.0	28.2	113	79 - 120	
Chloromethane	25.0	25.7	103	44 - 126	
cis-1,2-Dichloroethene	25.0	27.1	108	80 - 120	
cis-1,3-Dichloropropene	25.0	27.9	112	61 - 120	
Cyclohexane	25.0	28.8	115	54 - 121	
1,2-Dibromo-3-Chloropropane	25.0	25.2	101	42 - 136	
1,2-Dichlorobenzene	25.0	26.1	104	80 - 120	
1,3-Dichlorobenzene	25.0	26.4	105	80 - 120	
1,4-Dichlorobenzene	25.0	26.0	104	80 - 120	
Dichlorobromomethane	25.0	27.0	108	72 - 121	
Dichlorodifluoromethane	25.0	26.5	106	19 - 129	
1,1-Dichloroethane	25.0	27.9	112	80 - 120	
1,2-Dichloroethane	25.0	28.1	112	71 - 127	
1,1-Dichloroethene	25.0	27.6	110	78 - 131	
1,2-Dichloropropane	25.0	27.0	108	80 - 120	
Ethylbenzene	25.0	27.0	108	80 - 120	
Ethylene Dibromide	25.0	28.1	112	79 - 120	
2-Hexanone	50.0	51.1	102	55 - 133	
Isopropylbenzene	25.0	28.4	114	75 - 120	
Methyl acetate	125	129	103	58 - 131	
Methylcyclohexane	25.0	29.5	118	56 - 127	
Methylene Chloride	25.0	29.5	118	66 - 131	
4-Methyl-2-pentanone (MIBK)	50.0	55.6	111	63 - 128	
Methyl tert-butyl ether	25.0	24.7	99	52 - 144	
m-Xylene & p-Xylene	25.0	27.3	109	80 - 120	
o-Xylene	25.0	27.2	109	80 - 120	
Styrene	25.0	27.3	109	79 - 120	
1,1,2,2-Tetrachloroethane	25.0	27.3	109	68 - 120	
Tetrachloroethene	25.0	29.6	118	79 - 120	
Toluene	25.0	26.2	105	80 - 120	
trans-1,2-Dichloroethene	25.0	28.5	114	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Lab Control Sample - Batch: 240-136351

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136351/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 06/26/2014 1647
 Prep Date: 06/26/2014 1647
 Leach Date: N/A

Analysis Batch: 240-136351
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX16
 Lab File ID: UXM6510.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,3-Dichloropropene	25.0	29.0	116	58 - 120	
1,2,4-Trichlorobenzene	25.0	26.1	104	48 - 135	
1,1,1-Trichloroethane	25.0	29.4	118	74 - 120	
1,1,2-Trichloroethane	25.0	26.3	105	80 - 120	
Trichloroethene	25.0	29.8	119	76 - 120	
Trichlorofluoromethane	25.0	27.8	111	49 - 157	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8	115	74 - 151	
Vinyl chloride	25.0	26.3	105	53 - 127	
Xylenes, Total	50.0	54.5	109	80 - 120	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	101	66 - 120
Dibromofluoromethane (Surr)	104	75 - 121
1,2-Dichloroethane-d4 (Surr)	101	63 - 129
Toluene-d8 (Surr)	101	74 - 120

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Method Blank - Batch: 240-136964

Method: 8260C Preparation: 5030C

Lab Sample ID: MB 240-136964/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/02/2014 1017
Prep Date: 07/02/2014 1017
Leach Date: N/A

Analysis Batch: 240-136964
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: A3UX9
Lab File ID: UX944656.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	ND		1.1	10
Benzene	ND		0.13	1.0
Bromoform	ND		0.64	1.0
Bromomethane	ND		0.41	1.0
2-Butanone (MEK)	ND		0.57	10
Carbon disulfide	ND		0.13	1.0
Carbon tetrachloride	ND		0.13	1.0
Chlorobenzene	ND		0.15	1.0
Chlorodibromomethane	ND		0.18	1.0
Chloroethane	ND		0.29	1.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	1.0
cis-1,2-Dichloroethene	ND		0.17	1.0
cis-1,3-Dichloropropene	ND		0.14	1.0
Cyclohexane	ND		0.12	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
Methyl acetate	ND		0.38	10
Methylcyclohexane	ND		0.13	1.0
Methylene Chloride	1.05		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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Method Blank - Batch: 240-136964

Method: 8260C Preparation: 5030C

Lab Sample ID:	MB 240-136964/4	Analysis Batch:	240-136964	Instrument ID:	A3UX9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	UX944656.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2014 1017	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/02/2014 1017				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichloroethene	ND		0.17	1.0
Trichlorofluoromethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.28	1.0
Vinyl chloride	ND		0.22	1.0
Xylenes, Total	ND		0.14	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	90	66 - 120
Dibromofluoromethane (Surr)	89	75 - 121
1,2-Dichloroethane-d4 (Surr)	83	63 - 129
Toluene-d8 (Surr)	99	74 - 120

Method Blank TICs- Batch: 240-136964

Cas Number	Analyte	RT	Est. Result (ug/L)	Qual
142-82-5	n-Heptane	5.28	0.609	J
	Tentatively Identified Compound		None	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Lab Control Sample - Batch: 240-136964

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136964/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/02/2014 0931
 Prep Date: 07/02/2014 0931
 Leach Date: N/A

Analysis Batch: 240-136964
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX944654.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	40.0	29.2	73	43 - 136	
Benzene	20.0	21.1	106	80 - 120	
Bromoform	20.0	15.7	79	40 - 131	
Bromomethane	20.0	18.0	90	11 - 185	
2-Butanone (MEK)	40.0	32.3	81	60 - 126	
Carbon disulfide	20.0	22.3	112	62 - 142	
Carbon tetrachloride	20.0	19.6	98	66 - 128	
Chlorobenzene	20.0	19.5	97	80 - 120	
Chlorodibromomethane	20.0	19.3	96	64 - 120	
Chloroethane	20.0	18.1	91	25 - 153	
Chloroform	20.0	21.0	105	79 - 120	
Chloromethane	20.0	19.6	98	44 - 126	
cis-1,2-Dichloroethene	20.0	20.0	100	80 - 120	
cis-1,3-Dichloropropene	20.0	21.0	105	61 - 120	
Cyclohexane	20.0	22.2	111	54 - 121	
1,2-Dibromo-3-Chloropropane	20.0	16.9	85	42 - 136	
1,2-Dichlorobenzene	20.0	18.3	91	80 - 120	
1,3-Dichlorobenzene	20.0	19.4	97	80 - 120	
1,4-Dichlorobenzene	20.0	19.0	95	80 - 120	
Dichlorobromomethane	20.0	21.2	106	72 - 121	
Dichlorodifluoromethane	20.0	15.9	80	19 - 129	
1,1-Dichloroethane	20.0	19.7	99	80 - 120	
1,2-Dichloroethane	20.0	19.9	100	71 - 127	
1,1-Dichloroethene	20.0	21.2	106	78 - 131	
1,2-Dichloropropane	20.0	20.8	104	80 - 120	
Ethylbenzene	20.0	19.5	98	80 - 120	
Ethylene Dibromide	20.0	19.1	96	79 - 120	
2-Hexanone	40.0	32.0	80	55 - 133	
Isopropylbenzene	20.0	19.9	100	75 - 120	
Methyl acetate	100	88.7	89	58 - 131	
Methylcyclohexane	20.0	21.3	107	56 - 127	
Methylene Chloride	20.0	20.8	104	66 - 131	
4-Methyl-2-pentanone (MIBK)	40.0	36.0	90	63 - 128	
Methyl tert-butyl ether	20.0	19.1	96	52 - 144	
m-Xylene & p-Xylene	20.0	20.9	105	80 - 120	
o-Xylene	20.0	20.6	103	80 - 120	
Styrene	20.0	21.5	107	79 - 120	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	68 - 120	
Tetrachloroethene	20.0	21.7	109	79 - 120	
Toluene	20.0	20.0	100	80 - 120	
trans-1,2-Dichloroethene	20.0	21.7	108	80 - 120	

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Lab Control Sample - Batch: 240-136964

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 240-136964/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 07/02/2014 0931
 Prep Date: 07/02/2014 0931
 Leach Date: N/A

Analysis Batch: 240-136964
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: A3UX9
 Lab File ID: UX944654.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,3-Dichloropropene	20.0	22.6	113	58 - 120	
1,2,4-Trichlorobenzene	20.0	19.3	96	48 - 135	
1,1,1-Trichloroethane	20.0	21.4	107	74 - 120	
1,1,2-Trichloroethane	20.0	18.6	93	80 - 120	
Trichloroethene	20.0	21.0	105	76 - 120	
Trichlorofluoromethane	20.0	19.0	95	49 - 157	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7	113	74 - 151	
Vinyl chloride	20.0	20.4	102	53 - 127	
Xylenes, Total	40.0	41.5	104	80 - 120	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene (Surr)	88		66 - 120		
Dibromofluoromethane (Surr)	92		75 - 121		
1,2-Dichloroethane-d4 (Surr)	85		63 - 129		
Toluene-d8 (Surr)	97		74 - 120		

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Method Blank - Batch: 240-135865

Method: 8015D Preparation: 3520C

Lab Sample ID: MB 240-135865/8-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 2016
Prep Date: 06/24/2014 0730
Leach Date: N/A

Analysis Batch: 240-136368
Prep Batch: 240-135865
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F62608.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		110	500
Oil Range Organics (C28-C40)	ND		110	500

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	84	40 - 160

Lab Control Sample - Batch: 240-135865

Method: 8015D Preparation: 3520C

Lab Sample ID: LCS 240-135865/9-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/26/2014 2046
Prep Date: 06/24/2014 0730
Leach Date: N/A

Analysis Batch: 240-136368
Prep Batch: 240-135865
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP5F
Lab File ID: P5F62609.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10 - C28]	2500	2290	92	40 - 124	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	97	40 - 160

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Preparation / Extraction Blank - Batch: 240-136368

Method: 8015D
Preparation: N/A

Lab Sample ID:	PB 240-136368/4	Analysis Batch:	240-136368	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5F62604.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/26/2014 1814	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		21000	100000
Oil Range Organics (C28-C40)	ND		21000	100000
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl				

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Preparation / Extraction Blank - Batch: 240-136492

Method: 8015D
Preparation: N/A

Lab Sample ID:	PB 240-136492/4	Analysis Batch:	240-136492	Instrument ID:	A2HP5F
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P5F62704.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/27/2014 1614	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10 - C28]	ND		21000	100000
Oil Range Organics (C28-C40)	ND		21000	100000
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl				

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Method Blank - Batch: 240-135869

Method: 8082A Preparation: 3520C

Lab Sample ID: MB 240-135869/8-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2014 1548
Prep Date: 06/24/2014 0734
Leach Date: N/A

Analysis Batch: 240-136157
Prep Batch: 240-135869
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP10
Lab File ID: P1000011.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		0.068	0.20
Aroclor-1221	ND		0.052	0.20
Aroclor-1232	ND		0.064	0.20
Aroclor-1242	ND		0.088	0.20
Aroclor-1248	ND		0.040	0.20
Aroclor-1254	ND		0.064	0.20
Aroclor-1260	ND		0.068	0.20
Aroclor-1262	ND		0.060	0.20
Aroclor-1268	ND		0.096	0.20
Polychlorinated biphenyls, Total	ND		0.040	0.20

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	66	23 - 136
DCB Decachlorobiphenyl	63	10 - 130

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	63	23 - 136
DCB Decachlorobiphenyl	68	10 - 130

Lab Control Sample - Batch: 240-135869

Method: 8082A Preparation: 3520C

Lab Sample ID: LCS 240-135869/9-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/25/2014 1603
Prep Date: 06/24/2014 0734
Leach Date: N/A

Analysis Batch: 240-136157
Prep Batch: 240-135869
Leach Batch: N/A
Units: ug/L

Instrument ID: A2HP10
Lab File ID: P1000012.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor-1016	2.50	2.17	87	66 - 120	
Aroclor-1260	2.50	1.91	76	55 - 120	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	64	23 - 136
DCB Decachlorobiphenyl	64	10 - 130

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	60	23 - 136
DCB Decachlorobiphenyl	69	10 - 130

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Preparation / Extraction Blank - Batch: 240-136157

Method: 8082A

Preparation: N/A

Lab Sample ID:	PB 240-136157/2	Analysis Batch:	240-136157	Instrument ID:	A2HP10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/25/2014 1330	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		34	100
Aroclor-1221	ND		26	100
Aroclor-1232	ND		32	100
Aroclor-1242	ND		44	100
Aroclor-1248	ND		20	100
Aroclor-1254	ND		32	100
Aroclor-1260	ND		34	100
Aroclor-1262	ND		30	100
Aroclor-1268	ND		48	100
Polychlorinated biphenyls, Total	ND		20	100

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

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

Quality Control Results

Client: EnSafe, Inc.

Job Number: 240-38788-1

Preparation / Extraction Blank - Batch: 240-136343

Method: 8082A
Preparation: N/A

Lab Sample ID:	PB 240-136343/2	Analysis Batch:	240-136343	Instrument ID:	A2HP10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P1000002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/26/2014 1400	Units:	ug/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor-1016	ND		34	100
Aroclor-1221	ND		26	100
Aroclor-1232	ND		32	100
Aroclor-1242	ND		44	100
Aroclor-1248	ND		20	100
Aroclor-1254	ND		32	100
Aroclor-1260	ND		34	100
Aroclor-1262	ND		30	100
Aroclor-1268	ND		48	100
Polychlorinated biphenyls, Total	ND		20	100

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

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

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-38788 Chain of Custody

1.4, 1.6, 1.8, 1.4

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD										Page of	
Project Name: MHS Oil Source Investigation					Project No.		Phase				
Site Location: UTC - Carrier - Syracuse					Sample Analysis Requested (Enter number of containers for each test)						
Send Results To: Sgoodnight@eusage.com											
Sampler/Site Phone# M. Crawford 315.283.8871											
Lab Name: TA - N. Canton											
Turnaround Time(specify): Standard											
Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Time (mm/dd/yy)	Matrix Code (1)	Sample Type (2)	Field Filtered (N/A)	Total No. of Containers (3)	Voc's	TPH-DRO	TPH-ORO	Extra Volume for MS/MSD
	PLR 061WG062014	PLR061	6-20-14	WG	N	N	6	X	X	X	
	PLR 060WG062014	PLR060					7	X	X	X	
	PLR 057WG062014	PLR057					8	X	X	X	
	PLR 056WG062014	PLR056					3	X			
	MW 51WG062014	MW51					8	X	X	X	
	MW 52WG062014	MW52					8	X	X	X	
	MW 62WG062014	MW62					7	X	X	X	
*	PLR 063WG062014	PLR063					6	X	X	X	

Field Comments:		Lab Comments:	
* PLR063 was visible product in sample			
Relinquished by (signature)	Date	Received by (signature)	Date
1. N.D.C.P.	6-20-14 17:45	1. R.F.H./L.H.	6-20-14 17:45
2. R.F.H./L.H.	6-20-14 19:00	2. Denny Burns	6/21/14 0930
3.		3.	

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

(1) Matrix Code: AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, Oil=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SH=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, WW=Waste Water
 (2) Sample Type: AB=Ambient Blank, EB=Equipment Blank, FB=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank
 (3) Preservative added: HA=Hydrochloric Acid, NI=Nitric Acid, SH=Hydrochloric Acid, SA=Sulfuric Acid, AA=Ascorbic Acid, HE=Hexane, ME=Methanol, SB=Sodium Bisulfate, ST=Sodium Thiosulfate, If NO preservative added leave blank

Login # : 36788

Site Name, MH3 Oil Source

Cooler unpacked by:

Opened on 6/21/14

Derry Burns

TestAmerica Cooler #	Foam Box	Client Cooler	Box	Other
				<u>Multile</u>

COOLANT: Wet Ice Blue Ice Dry Ice Water None

IR-GUN#8 (CF +0 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

☒ See Multiple Cooler Form

-Were custody seals on the bottle(s)? Yes No

5. Were the custody papers relinquished & signed in the appropriate place? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

11. Were VOAs on the COC? 6/21 Yes No

13. Was a trip blank present in the cooler(s)? Yes ☐ No ☒

Concerning

Samples processed by:

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

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

[illegible]

Appendix D
Historical Laboratory Analytical Results Summary

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2
NYSDEC Standard																			
MW-01	MW-01	12/31/1985	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	NA	ND	NA	ND	NA
	MW-1	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	NA	ND	NA	ND	NA
	MW-1 (DUP)	11/16/1990	NA	NA	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	NA	ND	NA	ND	ND
	MW-1	5/22/1991	NA	ND	NA	NA	3	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/6/1992	NA	ND	NA	NA	3	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	6	NA
	MW-1	8/10/1992	NA	ND	NA	NA	3	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	6	NA
	MW-1	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-1	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	(Duplicate)	MW-1	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND
MW-1		3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
MW-1		8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
MW-1		3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
CARGMW0103		4/18/2000	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
MW-1		8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
CARGMW0104		7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
MW-1		7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
MW-1		12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
CARGMW0105		6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
CARGMW0105		6/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
CARGMW0106		6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
CARGMW0106		7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
CARGMW0107		11/7/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CARGMW0108		2/12/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CARGMW0109		5/8/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CARGMW0110		8/21/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CARGMW0111		6/28/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CARGMW0112		6/29/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CARGMW0112		6/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility
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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																				
MW-03D	MW-3D	12/31/1985	NA	NA	ND	ND	ND	ND	ND	NA	39	NA	ND	ND	ND	ND	ND	ND	ND	
	MW-3D	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	21	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	240	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	2/5/1992	NA	ND	NA	NA	22	ND	3	NA	ND	NA	NA	ND	NA	ND	NA	44	NA	
	MW-3D	8/10/1992	NA	ND	NA	NA	100	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	450	NA	
	MW-3D	2/22/1993	NA	ND	NA	NA	14	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	29	NA	
	MW-3D	8/23/1993	NA	ND	NA	NA	76	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	97	NA	
	MW-3D	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	26	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/25/1994	NA	ND	NA	NA	5	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	12	NA	
	MW-3D	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	11	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	21	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	25	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/9/1996	NA	ND	NA	NA	4	ND	ND	NA	ND	140	NA	ND	NA	ND	NA	5	NA	
	MW-3D	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	17	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	8	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	13	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	10	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	13	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	14	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	11	NA	ND	NA	ND	NA	ND	NA	
		CARGW03D03	5/2/2000	ND	ND	ND	ND	ND	ND	7	NA	NA	NA	ND	ND	ND	ND	ND	1.1 J	ND
		MW-3D	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	19	NA	NA	ND	NA	ND	NA	ND	NA
		CARGMW3D04	7/12/2001	ND	ND	ND	ND	0.72 J	ND	ND	NA	1.2 J	23.2	ND	ND	ND	ND	ND	ND	ND
(Duplicate)	MW-3D	7/12/2001	NA	ND	NA	NA	0.72	ND	ND	NA	1.2	23.2	NA	ND	NA	ND	NA	ND	NA	
	MW-3D	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	12	NA	ND	NA	ND	NA	ND	NA	
(Duplicate)	CARGMW3D05	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	6.2	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D05	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	4.8	ND	ND	ND	ND	ND	ND	ND	
	CARHMW3D05	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	4.7	ND	ND	ND	ND	ND	ND	ND	
	CARHMW3D06	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	14.4	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D06	7/12/2005	ND	ND	ND	ND	0.38 J	ND	ND	NA	ND	12.7	ND	ND	ND	ND	ND	0.70 J	ND	
	CARGMW3D07	11/7/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	8.7	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D08	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	9.4	ND	ND	ND	ND	ND	ND	ND	
(Duplicate)	CARGMW3D09	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	5.5	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3010	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	5	ND	ND	ND	ND	ND	0.77 J	ND	
	ENSTHMPMW3D0609	6/29/2009	ND	ND	ND	ND	0.49 J	ND	ND	NA	ND	14.7	ND	ND	ND	ND	ND	2.0	ND	
	CARGMW3D0610	6/30/2010	ND	ND	ND	ND	0.43 J	ND	ND	NA	ND	15.2	ND	ND	ND	ND	ND	1.6	ND	
	CARHMW3D0610	6/30/2010	ND	ND	ND	ND	0.75 J	ND	ND	NA	0.40 J	24.2	ND	ND	ND	ND	ND	2.8	ND	
	CARGMW3D0611	6/28/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	6.8	ND	ND	ND	ND	ND	ND	ND	
	CARGMW3D0812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	13.7	ND	ND	ND	ND	ND	ND	ND	
(Duplicate)	CARHMW3D0812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.4	ND	ND	ND	ND	ND	ND	ND	
	CARGMW03D0613	6/11/2013	ND	ND	ND	ND	1.5 J	ND	ND	NA	3.9	38	ND	ND	ND	ND	ND	2.3 J	ND	
	MW03DWG063014	06/30/2014	ND	ND	ND	ND	1.3	ND	ND	NA	ND	41	ND	ND	ND	ND	ND	0.48 J	ND	

Appendix D
Groundwater Analytical Results Historical Summary
Carrier Thompson Rd. Facility
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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																				
MW-03S	MW-3S	12/31/1985	NA	NA	ND	ND	78	ND	15	NA	982	NA	ND	ND	ND	ND	ND	ND	ND	
	MW-3S	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	32,000	NA	ND	NA	ND	NA	ND	NA	
(Duplicate)	MW-3S	6/5/1990	NA	ND	NA	NA	400	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	1,000	NA	
	MW-3S	11/16/1990	NA	NA	ND	NA	490	7.6	100	NA	6.4	NA	17	9.5	ND	11	ND	1,600	ND	
	MW-3S (DUP)	11/16/1990	NA	NA	ND	NA	1,100	12	250	NA	12	NA	ND	10	ND	15	ND	1,200	ND	
	MW-3S	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	2,500	NA	
	MW-3S	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-3S	8/10/1992	NA	ND	NA	NA	370	ND	90	NA	ND	NA	NA	ND	NA	ND	NA	1,100	NA	
	MW-3S	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	2,000	NA	
	MW-3S	8/23/1993	NA	ND	NA	NA	660	ND	ND	NA	ND	NR	NA	ND	NA	ND	NA	1,000	NA	
	MW-3S	5/2/1994	NA	ND	NA	NA	630	ND	ND	NA	ND	14,000	NA	ND	NA	ND	NA	1,700	NA	
	MW-3S	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	800	NA	
	MW-3S	2/15/1995	NA	ND	NA	NA	380	ND	ND	NA	ND	1,400	NA	ND	NA	ND	NA	790	NA	
	MW-3S	8/21/1995	NA		NA	NA	ND	ND	ND	NA	ND	11,000	NA	ND	NA	ND	NA	370	NA	
	MW-3S	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	11,000	NA	ND	NA	ND	NA	650	NA	
	MW-3S	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	11,000	NA	ND	NA	ND	NA	ND	NA	
	MW-3S	2/6/1997	NA	ND	NA	NA	ND	ND	70	NA	7	9,300	NA	5	NA	7	NA	750	NA	
	MW-3S	8/22/1997	NA	ND	NA	NA	200	ND	60	NA	6	8,500	NA	4	NA	6	NA	660	NA	
	(Duplicate)	MW-3S	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	9,200	NA	ND	NA	ND	NA	1,400	NA
		MW-3S	8/31/1998	NA	ND	NA	NA	270	ND	68	NA	8	11,000	NA	5	NA	8	NA	1,300	NA
MW-3S		3/4/1999	NA	ND	NA	NA	200	ND	ND	NA	ND	8,000	NA	ND	NA	ND	NA	550	NA	
MW-3S		8/27/1999	NA	ND	NA	NA	180	ND	ND	NA	ND	6,500	NA	ND	NA	ND	NA	440	NA	
MW-3S		3/2/2000	NA	ND	NA	NA	200	ND	ND	NA	ND	6,400	NA	ND	NA	ND	NA	940	NA	
CARGMW3S03		4/20/2000	ND	ND	ND	ND	240	1.8 J	60	8,100	NA	NA	ND	3.7 J	ND	4.6 J	ND	1,100	ND	
MW-3S		8/15/2000	NA	ND	NA	NA	190	ND	ND	NA	ND	6,500	NA	ND	NA	ND	NA	490	NA	
CARGMW3S04		7/12/2001	ND	ND	ND	ND	164	ND	38.3 J	NA	13.9 J	5,780	NA	ND	ND	ND	ND	567	ND	
MW-3S		7/12/2001	NA	ND	NA	NA	164	ND	38.3	NA	13.9	5,780	NA	ND	NA	ND	NA	567	NA	
MW-3S		12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	3,700	NA	ND	NA	ND	NA	ND	NA	
CARGMW3S05		6/25/2002	ND	ND	ND	ND	163	ND	34	NA	ND	5,410 E	ND	ND	ND	2.6 J	ND	746	ND	
CARHMW3S05		6/25/2002	ND	ND	ND	ND	159	ND	34	NA	ND	5,320 E	ND	ND	ND	2.2 J	ND	739	ND	
CARGMW3S05		6/23/2003	ND	ND	ND	ND	144	ND	29	NA	9.7 J	6,450 D	ND	ND	ND	ND	ND	621	18.4 J	
CARGMW3S06		6/21/2004	ND	ND	ND	ND	136	ND	25.9	NA	ND	5,260 D	ND	ND	ND	ND	ND	808	ND	
CARGMW3S		7/12/2005	ND	ND	ND	ND	77.4	ND	17.7	NA	5.0 J	2,940	ND	ND	ND	3.7 J	ND	330	ND	
CARGDUP1		7/12/2005	ND	ND	ND	ND	74.9	ND	15.5	NA	4.9 J	2,930	ND	ND	ND	ND	ND	311	ND	
(Duplicate)		CARGMW3S07	11/7/2006	ND	ND	ND	ND	65.5	ND	13.7	NA	4.3 J	1,900 ^a	ND	ND	ND	ND	ND	244	ND
		CARGMW3S08	2/12/2007	ND	ND	ND	ND	47.8	ND	11.7	NA	11.3	1,420 ^a	ND	ND	ND	1.9 J	ND	154	ND
	CARGMW3509	5/8/2007	ND	ND	ND	ND	59.6	ND	15.0	NA	9.0	2,130 ^a	ND	ND	ND	2.4 J	ND	221	ND	
	CARGMW3510	8/21/2007	ND	ND	ND	ND	45.1	ND	ND	NA	ND	1,940	ND	ND	ND	ND	ND	188	ND	
	ENSTHMPMW3S0609	6/29/2009	ND	ND	ND	ND	35.2	ND	9.4 J	NA	ND	1,450	ND	ND	ND	ND	ND	154	ND	
	CARGMW3S0610	6/30/2010	ND	ND	ND	ND	57.4	ND	17.1	NA	26.8	2,040	ND	ND	ND	2.0	ND	197	ND	
	CARGMW3S0611	6/28/2011	ND	ND	ND	ND	59.3	ND	14.3	NA	26.5	1,970 ^a	ND	ND	ND	2.1	ND	168	ND	
	CARGMW3S0612	6/13/2012	ND	ND	ND	ND	27.1	ND	6.7	NA	3.3	965 ^a	ND	ND	ND	1.0	ND	83.5	ND	
	CARGMW350812	8/14/2012	ND	ND	ND	ND	26.3	ND	6.5	NA	ND	833 ^a	ND	ND	ND	ND	ND	104	ND	
	CARGMW03S0613	6/11/2013	ND	ND	ND	ND	27	ND	5.4 J	NA	ND	1000 ^B	ND	ND	ND	ND	ND	96	ND	
	MW03SWG063014	06/30/2014	650	ND	ND	ND	11	ND	2.4 J	NA	ND	390	ND	ND	ND	ND	ND	29	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																				
MW-05	MW-5	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	18	NA	ND	NA	ND	NA	ND	NA	
	MW-5	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	25	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-5	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	MW-5	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-5	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-5	8/10/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-5	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-5	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-5	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA	
	MW-5	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	5	NA	
	MW-5	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	12	NA	5	NA	7	NA	ND	NA	
	MW-5	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	8	NA	ND	NA	ND	NA	ND	NA	
	MW-5	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	3/4/1999	NA	5	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	
	MW-5	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	NA	ND	NA	ND	NA	ND	NA
	CARGMW0503	5/2/2000	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	MW-5	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	NA	ND	NA	ND	NA	ND	NA
	CARGMW0504	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW-5	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-5	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	NA	ND	NA	ND	NA	ND	NA
	CARGMW0505	6/24/2002	117	ND	1.4 J	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0505	6/25/2003	ND	ND	1.0 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0506	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0506	7/12/2005	12.9	ND	ND	ND	ND	ND	ND	NA	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0507	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0508	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW0509	5/8/2007	ND	ND	0.66 J	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	
CARGMW0510	8/21/2007	ND	ND	0.66 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ENSTHMPMW050609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
CARGMW050610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Not Sampled	6/13/2012	Could Not Be Located																		
MW-05R	CARGMW05R0812	8/15/2012	9.9	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW05R0613	6/12/2013	2.9 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	0.24 J	ND	ND	ND	ND	ND	ND	
	MW5RWG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2
NYSDEC Standard																			
MW-06	MW-6	2/8/1990	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	6/5/1990	NA	ND	NA	NA	ND	ND	ND	NA	13	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	11/16/1990	NA	NA	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0603	4/18/2000	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
	MW-6	5/22/1991	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/5/1992	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	4	NA	ND	NA
	MW-6	8/10/1992	NA	ND	NA	NA	7	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	13	NA
	MW-6	2/22/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/23/1993	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	6	NA	ND	NA
	MW-6	5/2/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/25/1994	NA	ND	NA	NA	ND	ND	ND	NA	ND	NA	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/15/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/21/1995	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/9/1996	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	5	NA
	MW-6	2/6/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/22/1997	NA	ND	NA	NA	ND	ND	ND	NA	ND	8	NA	ND	NA	ND	NA	ND	NA
	MW-6	2/17/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/31/1998	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	3/4/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/27/1999	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	3/2/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	8/15/2000	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0604	7/12/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW-6	7/12/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	MW-6	12/18/2001	NA	ND	NA	NA	ND	ND	ND	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA
	CARGMW0605	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0605	6/23/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0606	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW0606	7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	42.3	1.3	ND	ND
	CARGMW0607	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	0.91	ND	ND
	CARGMW0608	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	0.48	ND	ND
	CARGMW0609	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW0610	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	1.5	ND	ND	
ENSTHMPMW060609	6/28/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	0.52 J	ND	ND	
CARGMW060610	6/30/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	2.2	ND	ND	
CARGMW060612	6/13/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	0.36	ND	ND	
CARGMW060812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
CARGMW060613	6/12/2013	2.6 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW6WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																			
MW - 13D* 904 (Diffusion)	Interval 1 : (8.7-11.8)	10/11/1999	ND	ND	NA	NA	128	NA	17.7 J	NA	ND	2,440	NA	ND	NA	21.8	NA	568	NA
	Interval 2 : (13.7-16.8)	10/11/1999	ND	ND	NA	NA	247 J	NA	57.9 J	NA	ND	6,940	NA	ND	NA	ND	NA	1,850	NA
	Interval 3 : (18.7-22)	10/11/1999	NA	NA	NA	NA	230 J	NA	55.9 J	NA	ND	6,520	NA	ND	NA	ND	NA	1,720	NA
	Interval 4 : (23.6-26.9)	10/11/1999	ND	NA	NA	NA	225 J	ND	51.8 J	NA	ND	6,310	NA	ND	NA	ND	NA	1,580	NA
	Interval 5 : (28.7-31.8)	10/11/1999	ND	NA	NA	NA	225 J	NA	56 J	NA	ND	6,310	NA	ND	NA	ND	NA	1,670	NA
	Interval 6 : NS	10/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 7 : No Sample	10/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 8 : (44.1-47.2)	10/11/1999	NA	NA	NA	NA	138 J	NA	30.2 J	NA	ND	4,290	NA	NA	NA	ND	NA	1,080	NA
	Interval 9 : (48.7-51.7)	10/11/1999	NA	NA	NA	NA	110 J	NA	24.7 J	NA	ND	3,230	NA	NA	NA	ND	NA	822	NA
	Interval 10 : (54.2-57)	10/11/1999	NA	NA	NA	NA	82.8 J	NA	18.8 J	NA	ND	2,360	NA	NA	NA	ND	NA	601	NA
MW - 13D* Diffusion Sample	Interval 1 : (9-12)	5/2/2000	ND	30 J	NA	NA	160	NA	26	3,900	ND	3,900	NA	1.1 J	NA	36	NA	610	NA
	Interval 2 : (14-17)	5/2/2000	ND	1.1 J	NA	NA	180	NA	45	6,000	ND	6,000	NA	2.5 J	NA	12	NA	970	NA
	Interval 3 : (19-22.5)	5/2/2000	NA	NA	NA	NA	160	NA	34	5,200	ND	5,200	NA	2.6 J	NA	7.3	NA	830	NA
	Interval 4 : (24.1-27)	5/2/2000	4.6 J	NA	NA	NA	160	1.1 J	40	NA	ND	5,500	NA	2.3 J	NA	8.2	NA	690	NA
	Interval 5 : (29.5-32)	5/2/2000	ND	NA	NA	NA	170	NA	44	5,600	ND	5,600	NA	2.3 J	NA	8.7	NA	880	NA
	Interval 6 : (34.1-37.1)	5/2/2000	NA	NA	NA	NA	120	NA	29	4,800	ND	4,800	NA	2.0 J	NA	5.7	NA	560	NA
	Interval 7 : (38.8-42)	5/2/2000	NA	NA	NA	NA	89	NA	20	2,900	ND	2,900	NA	ND	NA	3.9 J	NA	390	NA
	Interval 8 : (43.2-47)	5/2/2000	NA	NA	NA	NA	61	NA	14	1,900	ND	1,900	NA	NA	NA	2.6 J	NA	280	NA
	Interval 9 : (48-52.2)	5/2/2000	NA	NA	NA	NA	41	NA	9.6	NA	ND	1,500	NA	NA	NA	2.0 J	NA	190	NA
	Interval 10 : (54-57)	5/2/2000	NA	NA	NA	NA	13	NA	3.1 J	NA	ND	390	NA	NA	NA	ND	NA	66	NA
MW - 13D* Diffusion Sample	Interval 1 : (9-12)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 2 : (14-17)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 3 : (19-22.5)	7/13/2001	NA	NA	NA	NA	137	NA	ND	NA	ND	4,080	NA	ND	NA	ND	NA	500	NA
	Interval 4 : (24.1-27)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 5 : (29.5-32)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 6 : (34.1-37.1)	7/13/2001	NA	NA	NA	NA	182	NA	ND	NA	ND	6,720	NA	ND	NA	ND	NA	1,090	NA
	Interval 7 : (38.8-42)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 8 : (43.2-47)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 9 : (48-52.2)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Interval 10 : (54-57)	7/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW - 13D* Low-Flow Sample	Interval 1 : (9-11)	7/13/2001	ND	NA	NA	NA	34.4 J	NA	9.7 J	NA	ND	1,210	NA	NA	NA	NA	NA	199	NA
	Interval 2 : (14-16)	7/13/2001	ND	ND	NA	NA	32 J	NA	ND	NA	ND	1,160	NA	ND	NA	ND	NA	190	NA
	Interval 3 : (19-21)	7/13/2001	NA	NA	NA	NA	45.1 J	NA	10.3 J	NA	ND	1,600	NA	ND	NA	ND	NA	230	NA
	Interval 4 : (24-26)	7/13/2001	ND	NA	NA	NA	69.9 J	ND	ND	NA	ND	2,390	NA	ND	NA	ND	NA	338	NA
	Interval 5 : (29-31)	7/13/2001	ND	NA	NA	NA	52	NA	112 J	NA	ND	1,730	NA	ND	NA	ND	NA	259	NA
	Interval 6 : (34-36)	7/13/2001	NA	NA	NA	NA	52.7	NA	11.2 J	NA	ND	1,810	NA	ND	NA	ND	NA	256	NA
	Interval 7 : (39-40)	7/13/2001	NA	NA	NA	NA	61.1 J	NA	ND	NA	ND	2,070	NA	ND	NA	ND	NA	332	NA
	Interval 8 : (44-46)	7/13/2001	NA	NA	NA	NA	54.4	NA	11.6 J	NA	ND	1,850	NA	NA	NA	ND	NA	281	NA
	Interval 9 : (49-50)	7/13/2001	NA	NA	NA	NA	60.4 J	NA	ND	NA	ND	1,950	NA	NA	NA	ND	NA	268	NA
	Interval 10 : (54-56)	7/13/2001	NA	NA	NA	NA	43.4 J	NA	ND	NA	ND	1,480	NA	NA	NA	ND	NA	219	NA
MW - 13D* Diffusion Sample	Interval 1 : (7-10)	8/13/2002	ND	1.4 J	NA	NA	32.6	NA	1.7 J	NA	ND	530	NA	ND	NA	2.4 J	NA	26.9	NA
	Interval 2 : (12-15)	8/13/2002	66.8	ND	NA	NA	163 J	NA	41.1 J	NA	ND	5,570	NA	ND	NA	ND	NA	680	NA
	Interval 3 : (17-20)	8/13/2002	NA	NA	NA	NA	174 J	NA	41.8 J	NA	ND	6,170	NA	ND	NA	ND	NA	730	NA
	Interval 4 : (22-25)	8/13/2002	ND	NA	NA	NA	135 J	ND	ND	NA	ND	5,140	NA	ND	NA	ND	NA	573	NA
	Interval 5 : (27-30)	8/13/2002	ND	NA	NA	NA	147 J	NA	34.4 J	NA	ND	5,360	NA	ND	NA	ND	NA	607	NA
	Interval 6 : (32-35)	8/13/2002	NA	NA	NA	NA	149 J	NA	36.2 J	NA	ND	5,350	NA	ND	NA	ND	NA	692	NA
	Interval 7 : (37-40)	8/13/2002	NA	NA	NA	NA	76.4 J	NA	17.8 J	NA	ND	2,780	NA	ND	NA	ND	NA	337	NA
	Interval 8 : (42-45)	8/13/2002	NA	NA	NA	NA	69.8 J	NA	16.0 J	NA	ND	2,660	NA	NA	NA	ND	NA	310	NA
	Interval 9 : (47-50)	8/13/2002	NA	NA	NA	NA	61.4 J	NA	14.3 J	NA	ND	2,340	NA	NA	NA	ND	NA	273	NA
	Interval 10 : (54-57)	8/13/2002	NA	NA	NA	NA	50.1	NA	10.7 J	NA	ND	1,720	NA	NA	NA	ND	NA	231	NA

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2
NYSDEC Standard																			
MW - 13D* Diffusion Sample	Interval 1 : (7-10)	6/25/2003	11.7	3.8	NA	NA	1.3	NA	ND	NA	ND	60.2	NA	0.46 J	NA	ND	NA	ND	NA
	Interval 2 : (12-15)	6/25/2003	ND	ND	NA	NA	145	NA	15.4 J	NA	ND	4,610	NA	ND	NA	ND	NA	1,070	NA
	Interval 3 : (17-20)	6/25/2003	NA	NA	NA	NA	150	NA	ND	NA	ND	5,040	NA	ND	NA	ND	NA	1,090	NA
	Interval 4 : (22-25)	6/25/2003	ND	NA	NA	NA	140	ND	ND	NA	ND	4,560	NA	ND	NA	ND	NA	1,020	NA
	Interval 5 : (27-30)	6/25/2003	ND	NA	NA	NA	143	NA	ND	NA	ND	4,870	NA	ND	NA	ND	NA	1,070	NA
	Interval 6 : (32-35)	6/25/2003	NA	NA	NA	NA	139	NA	22.7 J	NA	ND	4,570	NA	ND	NA	ND	NA	1,050	NA
	Interval 7 : (37-40)	6/25/2003	NA	NA	NA	NA	70.8	NA	10.5 J	NA	ND	2,320	NA	ND	NA	ND	NA	580	NA
	Interval 8 : (42-45)	6/25/2003	NA	NA	NA	NA	72 / 72.7	NA	17.4 / 15.7	NA	ND / ND	1,950 / 2,250	NA	NA	NA	ND / ND	NA	631 / 644	NA
	Interval 9 : (47-50)	6/25/2003	NA	NA	NA	NA	70.3	NA	16.6	NA	4.7 J	2,040	NA	NA	NA	ND	NA	649	NA
Interval 10 : (54-57)	6/25/2003	NA	NA	NA	NA	34.6	NA	6.9	NA	ND	1,030	NA	NA	NA	ND	NA	315	NA	
MW - 13D* Diffusion Sample	Interval 1 : (7-10)	6/23/2004	36.9	2.2	NA	NA	.88 J	NA	ND	NA	ND	47.9	NA	ND	NA	ND	NA	ND	NA
	Interval 2 : (12-15)	6/23/2004	ND	ND	NA	NA	115	NA	31	NA	ND	3,820	NA	ND	NA	ND	NA	579	NA
	Interval 3 : (17-20)	6/23/2004	NA	NA	NA	NA	127	NA	34.4	NA	ND	4,210	NA	ND	NA	ND	NA	607	NA
	Interval 4 : (22-25)	6/23/2004	ND	NA	NA	NA	127	ND	34.3	NA	ND	3,860	NA	ND	NA	ND	NA	625	NA
	Interval 5 : (27-30)	6/23/2004	ND	NA	NA	NA	122	NA	35.9	NA	ND	3,870	NA	ND	NA	ND	NA	657	NA
	Interval 6 : (32-35)	6/23/2004	NA	NA	NA	NA	127	NA	32.9	NA	ND	3,730	NA	ND	NA	ND	NA	663	NA
	Interval 7 : (37-40)	6/23/2004	NA	NA	NA	NA	43.7	NA	12.3	NA	ND	1,420	NA	ND	NA	ND	NA	230	NA
	Interval 8 : (42-45)	6/23/2004	NA	NA	NA	NA	38.3	NA	10.8	NA	ND	1,290	NA	NA	NA	ND	NA	200	NA
	Interval 9 : (47-50)	6/23/2004	NA	NA	NA	NA	32.1 / 32.3	NA	9 J / 8.5 J	NA	ND / ND	1,100 / 1,100	NA	NA	NA	ND / ND	NA	177 / 179	NA
Interval 10 : (54-57)	6/23/2004	NA	NA	NA	NA	20.9	NA	5.5	NA	ND	706	NA	NA	NA	ND	NA	108	NA	
MW - 13D* Diffusion Sample	Interval 1 : (7-10)	7/13/2005	7.5 J	0.9 J	NA	NA	37.9	NA	3.9	NA	1.5	719	NA	ND	NA	2.4	NA	13.8	NA
	Interval 2 : (12-15)	7/13/2005	ND	ND	NA	NA	102	NA	21.2	NA	27.8	3,560	NA	ND	NA	3.2 J	NA	400	NA
	Interval 3 : (17-20)	7/13/2005	NA	NA	NA	NA	89.3	NA	18.9	NA	19.3	3,280	NA	ND	NA	3 J	NA	345	NA
	Interval 4 : (22-25)	7/13/2005	ND	NA	NA	NA	95.7	ND	56 J	NA	22.3	3,420	NA	ND	NA	3.1 J	NA	342	NA
	Interval 5 : (27-30)	7/13/2005	91.3	NA	NA	NA	ND	NA	18.5	NA	15.9	3,190	NA	ND	NA	2.9 J	NA	330	NA
	Interval 6 : (32-35)	7/13/2005	NA	NA	NA	NA	49.2	NA	7.2	NA	47	1,580	NA	ND	NA	1.5 J	NA	170	NA
	Interval 7 : (37-40)	7/13/2005	NA	NA	NA	NA	39.7	NA	5	NA	51.3	1,290	NA	ND	NA	1.2 J	NA	139	NA
	Interval 8 : (42-45)	7/13/2005	NA	NA	NA	NA	36.2 / 38.2	NA	4.3 / 6.6	NA	59.6 / 18.4	1,140 / 1,230	NA	NA	NA	1.2 J / 1.1 J	NA	130 / 154	NA
	Interval 9 : (47-50)	7/13/2005	NA	NA	NA	NA	25	NA	99	NA	26.2	923	NA	NA	NA	1.1 J	NA	77.3	NA
Interval 10 : (54-57)	7/13/2005	NA	NA	NA	NA	29.6	NA	7	NA	.92 J	728	NA	NA	NA	.93 J	NA	152	NA	
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	11/9/2006	ND	ND	ND	ND	23.5	ND	5.1	NA	1.6	577 ^a	ND	ND	ND	.75 J	ND	121	ND
	Interval 7 : (37-40)	11/9/2006	ND	ND	ND	ND	19.4	ND	4.2	NA	1.1	542 ^a	ND	ND	ND	.67 J	ND	106	ND
	Interval 8 : (42-45)	11/9/2006	ND	ND	ND	ND	17.7	ND	3.9	NA	0.98 J	459 ^a	ND	ND	ND	.59 J	ND	101	ND
	Interval 9 : (47-50)	11/9/2006	ND	ND	ND	ND	13.5	ND	2.6	NA	1.6 J	390	ND	ND	ND	ND	ND	80.3	ND
	Interval 10 : (54-57)	11/9/2006	ND	ND	ND	ND	7.9	ND	1.4 J	NA	ND	219	ND	ND	ND	ND	ND	48	ND
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	2/12/2007	ND	ND	ND	ND	13.1	ND	3.7	NA	ND	412 ^a	ND	ND	ND	ND	ND	87.2	ND
	Interval 7 : (37-40)	2/12/2007	ND	ND	ND	ND	10.1	ND	3.1	NA	0.84 J	286 ^a	ND	ND	ND	0.39 J	ND	71	ND
	Interval 8 : (42-45)	2/12/2007	ND	ND	ND	ND	10.1	ND	3	NA	0.75 J	290 ^a	ND	ND	ND	0.39 J	ND	71	ND
	Interval 9 : (47-50)	2/12/2007	ND	ND	ND	ND	7.7	ND	2.2	NA	0.50 J	221 ^a	ND	ND	ND	0.31 J	ND	54.9	ND
	Interval 10 : (54-57)	2/12/2007	ND	ND	ND	ND	4.4	ND	1	NA	0.44 J	146	ND	ND	ND	ND	ND	26.4	ND
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	5/9/2007	3.9 J	ND	ND	ND	10.7	ND	3.1	NA	1.0	342 ^a	ND	ND	ND	0.43 J	ND	105	ND
	Interval 7 : (37-40)	5/9/2007	ND	ND	ND	ND	7.5	ND	2.1	NA	1.3	227 ^a	ND	ND	ND	ND	ND	73.6	ND
	Interval 8 : (42-45)	5/9/2007	ND	ND	ND	ND	7.0	ND	2.0	NA	0.82 J	210 ^a	ND	ND	ND	ND	ND	72.9	ND
	Interval 9 : (47-50)	5/9/2007	4.6 J	ND	ND	ND	5.6	ND	1.5	NA	0.56 J	185	ND	ND	ND	ND	ND	57.5	ND
	Interval 10 : (54-57)	5/9/2007	ND	ND	ND	ND	3.1	ND	0.96 J	NA	ND	107	ND	ND	ND	ND	ND	36.2	ND
MW-13D* (Diffusion Sample)	Interval 6 : (32-35)	8/21/2007	ND	ND	ND	ND	33.8	ND	ND	NA	ND	1250	ND	ND	ND	ND	ND	132	ND
	Interval 7 : (37-40)	8/21/2007	ND	ND	ND	ND	25.7	ND	ND	NA	8.8	992	ND	ND	ND	ND	ND	103	ND
	Interval 8 : (42-45)	8/21/2007	ND	ND	ND	ND	22.8	ND	ND	NA	3.7 J	917	ND	ND	ND	ND	ND	92.9	ND
	Interval 9 : (47-50)	8/21/2007	ND	ND	ND	ND	18.8	ND	ND	NA	8.1	724	ND	ND	ND	ND	ND	72.2	ND
	Interval 10 : (54-57)	8/21/2007	ND	ND	ND	ND	15.5	ND	ND	NA	5.9	590	ND	ND	ND	ND	ND	68.9	ND

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE	
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A
NYSDEC Standard																				
MW-13D2 Duplicate	ENSTHMPMW13D20609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.61 J	ND	ND	ND	ND	ND	ND	ND	
	ENSTHMPDUP10609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.54 J	ND	ND	ND	ND	ND	ND	ND	
	MW-13D2	9/9/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	1.6	ND	ND	ND	ND	ND	ND	ND	
	CARGMW13D20210	2/17/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	2.4	ND	ND	ND	ND	ND	ND	ND	
	CARGMW13D20310	3/24/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW13D20610	6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	CARGMW13D20612	6/13/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.92	ND	ND	ND	ND	ND	ND	ND	
	CARGMW13D0812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
CARGMW13D20613	6/13/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.31 J	ND	ND	ND	ND	ND	0.24 J	ND		
MW-14	CARGMW5S04	7/11/2001	ND	ND	ND	ND	1.2 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND
	CARGMW5S05	6/24/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1405	6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1406	6/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.80 J	ND
	CARGMW1406	7/13/2005	ND	ND	ND	ND	ND	0.57 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND
	CARGMW1407	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1408	2/13/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1409	5/8/2007	ND	ND	ND	ND	ND	0.27 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW1410	8/22/2007	ND	ND	ND	ND	0.32 J	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.71 J	ND
	ENSTHMPMW140609	6/29/2009	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140812	8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW140613	6/12/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND	ND
	MW14WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW-14D	CARGMW005D	4/28/2000	8.1 J	ND	ND	3.0 J	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
CARGMW5D04		7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW1405		6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARH000604		6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D05		6/26/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D06		6/22/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D06		7/13/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D07		11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D08		2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D08		2/14/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D09		5/9/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14010		8/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D0610		6/29/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D0611		6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D0612		6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D0812		8/15/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CARGMW14D0613	6/12/2013	1.8 J	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW14DWG070114	7/1/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-15D*	CARGMW006	4/28/2000	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARG000604	7/11/2001	7.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D05	6/25/2002	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D05	6/24/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D06	6/23/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGDUP2	7/12/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW15D07	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARH000604	7/11/2001	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE		
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2	µg/L N/A	
NYSDEC Standard																					
(Duplicate)	MW-16D	CARGMW00BG	4/27/2000	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D04	7/10/2001	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D05	6/24/2002	76.8	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D05	6/23/2003	19.8	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D06	6/23/2004	1,870 D	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D	7/12/2005	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D07	11/9/2006	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARHMMW16D07	11/9/2006	648 J	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D08	2/14/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
		CARGMW16D09	5/9/2007	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARHMMW16D09	5/9/2007	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		ENSTHMPMW16D0609	6/28/2009	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D0610	6/29/2010	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D0611	6/28/2011	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D0612	6/13/2012	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D0812	8/14/2012	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW16D0613	6/12/2013	1.2 J	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		MW16DWG063014	06/30/2014	1.4 J	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
(Duplicate)	MW-17	CARG010704	7/13/2001	6	ND	ND	ND	ND	ND	NA	2.5 J	249	ND	ND	ND	42.6	ND	11	ND		
		CARGMW1705	6/26/2002	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW1705	6/24/2003	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW1706	6/23/2004	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW1706	7/12/2005	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW1707	11/8/2006	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW1708	2/13/2007	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW1709	5/8/2007	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		ENSTHMPMW170609	6/29/2009	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW170610	7/1/2010	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW170611	6/29/2011	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW170612	6/14/2012	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW170812	8/14/2012	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		CARGMW170613	6/12/2013	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		MW17WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	(Duplicate)	MW-18	CARG010804	7/13/2001	ND	ND	ND	ND	ND	ND	NA	29.2 J	7,020	ND	ND	ND	8,760	ND	505	ND	
			CARGMW1805	6/26/2002	ND	ND	ND	ND	10.6 J	ND	15.4 J	NA	35.7 J	2,770	ND	ND	ND	5,580	ND	233	ND
			CARGMW1805	6/24/2003	ND	ND	ND	ND	7.4 J	ND	8.5 J	NA	19.3	2,740	ND	ND	ND	1,840 D	ND	134	ND
		CARGMW1806	6/22/2004	24.7	ND	ND	ND	2	ND	ND	NA	ND	4.8	ND	ND	ND	0.42 J	ND	14.9	ND	
		CARGMW1806	6/22/2004	26.1	ND	ND	ND	2.1	ND	ND	NA	ND	4.9	ND	ND	ND	0.42 J	ND	15.8	ND	
		CARGMW1806	7/12/2005	ND	ND	ND	ND	ND	ND	11.0 J	NA	14.5 J	4,530	ND	ND	ND	ND	ND	1,680	ND	
		CARGMW1807	11/8/2009	ND	ND	ND	ND	ND	ND	21.8	NA	22.3	7,140 ^a	ND	ND	ND	786	ND	1,420	ND	
		CARGMW1808	2/13/2007	ND	ND	ND	ND	5.0 J	ND	9.9 J	NA	9.1 J	2,280 ^a	ND	ND	ND	211	ND	456	ND	
		CARGMW1809	5/8/2007	ND	ND	ND	ND	3.6 J	ND	7.0	NA	7.4	1,790 ^a	ND	ND	ND	57.1	ND	776	ND	
		CARGMW1810	8/22/2007	ND	ND	ND	ND	ND	ND	ND	NA	25.0 J	8,770	ND	ND	ND	ND	ND	2,530	ND	
		ENSTHMPMW180609	6/29/2009	ND	ND	ND	ND	ND	ND	0.96 J	NA	1.3	221 a	ND	ND	ND	36.4	ND	4.8	ND	
		CARGMW180610	6/30/2010	ND	ND	ND	ND	ND	ND	4.2	NA	7.5	789 a	ND	ND	ND	93.1	ND	71.4	ND	
		CARGMW180611	6/28/2011	ND	ND	ND	ND	0.62 J	ND	4.9	NA	8.2	1,020 a	ND	ND	ND	73.4	ND	89.5	ND	
		CARGMW180612	6/13/2012	ND	ND	ND	ND	3.4	ND	6.2	NA	10.2	1540 a	ND	ND	ND	194	ND	111.0	ND	
		CARGMW180812	8/15/2012	ND	ND	ND	ND	3.3	ND	7.5	NA	6.2	1,560 a	ND	ND	ND	241	ND	368	ND	
		CARGMW180613	6/12/2013	ND	ND	ND	ND	5.5 J	ND	4.8 J	NA	ND	770	7.3 J	ND	ND	250	ND	27	ND	
		MW18WG062714	06/27/2014	ND	ND	ND	ND	9.8 J	ND	4.5 J	NA	2.9 J	300	6.5 J	ND	ND	370	ND	12	ND	

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Well Number	Sample Identification	Sample Date	Acetone	Benzene	Carbon disulfide	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	Total 1,2-DCE	trans-1,2-DCE		1,1,1-TCA	1,1,2-TCA	2-Hexanone	TCE	PCE	Vinyl Chloride	MTBE
			µg/L 50 G	µg/L 1	µg/L 50 G	µg/L 7	µg/L 5	µg/L 0.6	µg/L 0.7 G	µg/L N/A	µg/L 5	µg/L 5	µg/L 5	µg/L 5	µg/L 1	µg/L N/A	µg/L 5	µg/L 5 G	µg/L 2
NYSDEC Standard																			
MW-19	CARGMW1901	6/28/2002	ND	ND	ND	0.32 J	ND	ND	ND	NA	ND	1.2 J	ND	ND	ND	0.71 J	ND	ND	ND
	CARGMW1905	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARHMW1905	6/25/2003	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.4	ND	ND	ND
	CARGMW1906	6/21/2004	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.5	ND	ND	ND
	CARGMW1906	7/11/2005	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	2.4	ND	ND	ND
	CARGMW1907	11/8/2006	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW1908	2/12/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW1909	5/8/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW1910	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.7	ND	ND	ND
	CARHMW1910	8/21/2007	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.8	ND	ND	ND
	CARGMW190610	6/30/2010	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.79 J	ND	ND	ND
	CARGMW190611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARHMW190611	6/29/2011	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND
	CARGMW190612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.87	ND	ND	ND
	CARGMW190812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW190613	6/12/2013	ND	ND	ND	0.19 J	ND	ND	ND	NA	ND	ND	0.27 J	ND	ND	0.81 J	ND	ND	ND
	MW19WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	0.87 J	ND	ND	ND
MW-20	CARGMW200610	7/1/2010	ND	ND	ND	ND	6,610	ND	1,540	NA	103	5,530	49.1 J	20.5 J	ND	8,710	ND	1,010	ND
	CARGMW200910	9/29/2010	ND	ND	ND	ND	3,290	5.7 J	450	NA	58.8	3,380	34.6	17.5	ND	4,900	7.1 J	467	ND
	CARGMW201210	1/10/2011	ND	ND	ND	ND	5,140	ND	541	NA	99	6,840	53.5	24.8 J	ND	3,870	ND	759	ND
	CARGMW200311	3/31/2011	ND	ND	ND	ND	6,110	12.9 J	589	NA	135	7,490	60.3	37.8	ND	3,010	10.5 J	1,130	ND
	CARGMW200610	6/29/2011	ND	ND	ND	1.1 J	1,880 a	3.6	170	NA	42.4	1,640 a	16.2	11.2	ND	694 a	2.6	349	ND
	CARGMW200612	6/14/2012	ND	ND	ND	1.5	2920 b	4.7	250 a	NA	82.5	1110 a	17.4	15.1	ND	347 a	3.4	418 a	ND
	CARHMW200612	6/14/2012	ND	ND	ND	ND	2890 a	4.4	253	NA	75.1	1120	17.2	14	ND	374	3	407	ND
	CARGMW200812	8/15/2012	ND	ND	ND	1.5	893 a	ND	153	NA	32.4	487 a	9.2	5.1	ND	243	2.0	285	ND
	CARGMW200613	6/13/2013	ND	ND	ND	ND	180	ND	18	NA	4.8 J	66	ND	ND	ND	33	ND	30	ND
	CARGMW200613	6/13/2013	ND	ND	ND	ND	180	ND	17	NA	5.1 J	65	2.0 J	ND	ND	35	ND	26	ND
MW20WG063014	06/30/2014	ND	ND	ND	0.56 J	86	ND	4.1	NA	0.87 J	13	ND	ND	ND	20	ND	ND	ND	
MW-21	CARGMW210612	6/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW210812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW210613	6/12/2013	ND	ND	ND	ND	ND	ND	0.35 J	NA	ND	0.53 J	ND	ND	ND	0.8 J	ND	ND	ND
	MW21WG062714	06/27/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.56 J	ND	ND	ND	0.26 J	ND	0.41 J	ND
MW-22D	CARGMW22D0612	6/13/2012	ND	ND	0.31	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW22D0812	8/14/2012	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	CARGMW22D0613	6/13/2013	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	MW22DWG063014	06/30/2014	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND

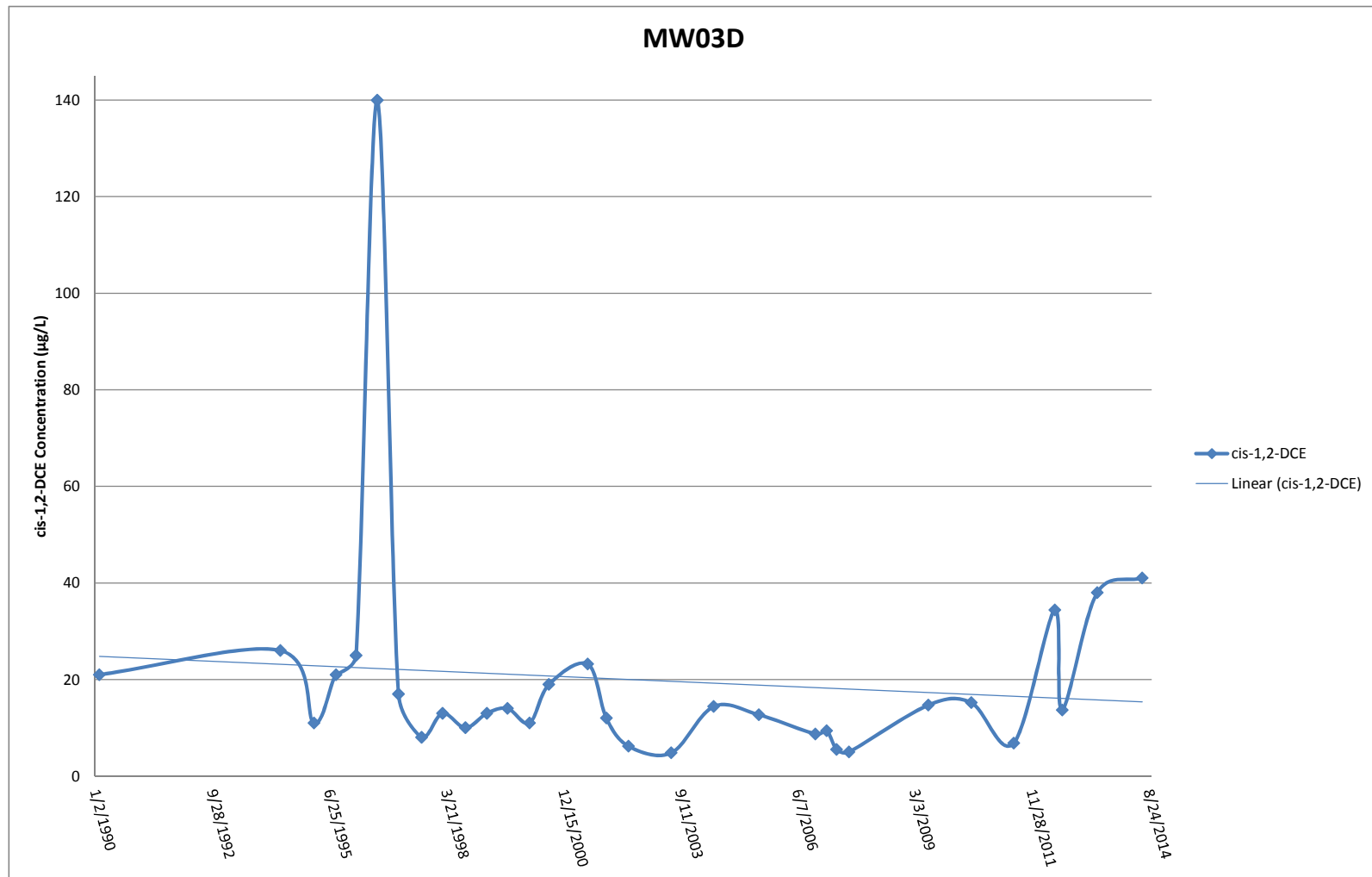
G — New York State Guidance Value
ND — Not detected above method detection limits
NA — Not Analyzed
NS — Not Sampled as part of the Site-Wide Monitoring Plan
mg/L — milligrams per liter
µg/L — micrograms per liter
Detections highlighted in **BOLD**
J value indicates concentration is estimated and is below method detection limits.
a indicates diluted sample results.
E indicates concentration exceeds calibration range of the instrument.
* denotes that well has been abandoned



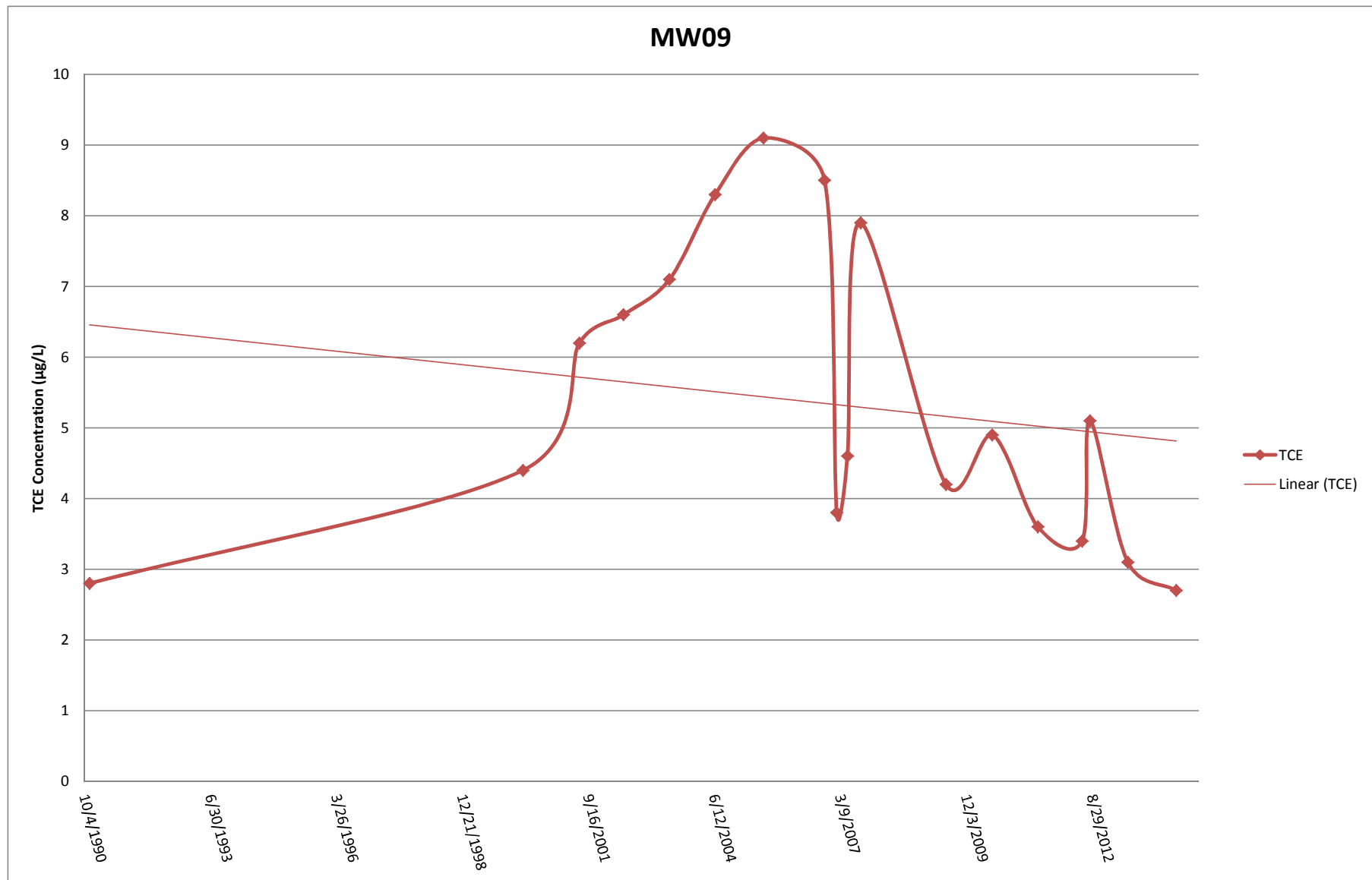
Appendix E
VOC Concentrations vs. Time Graphs



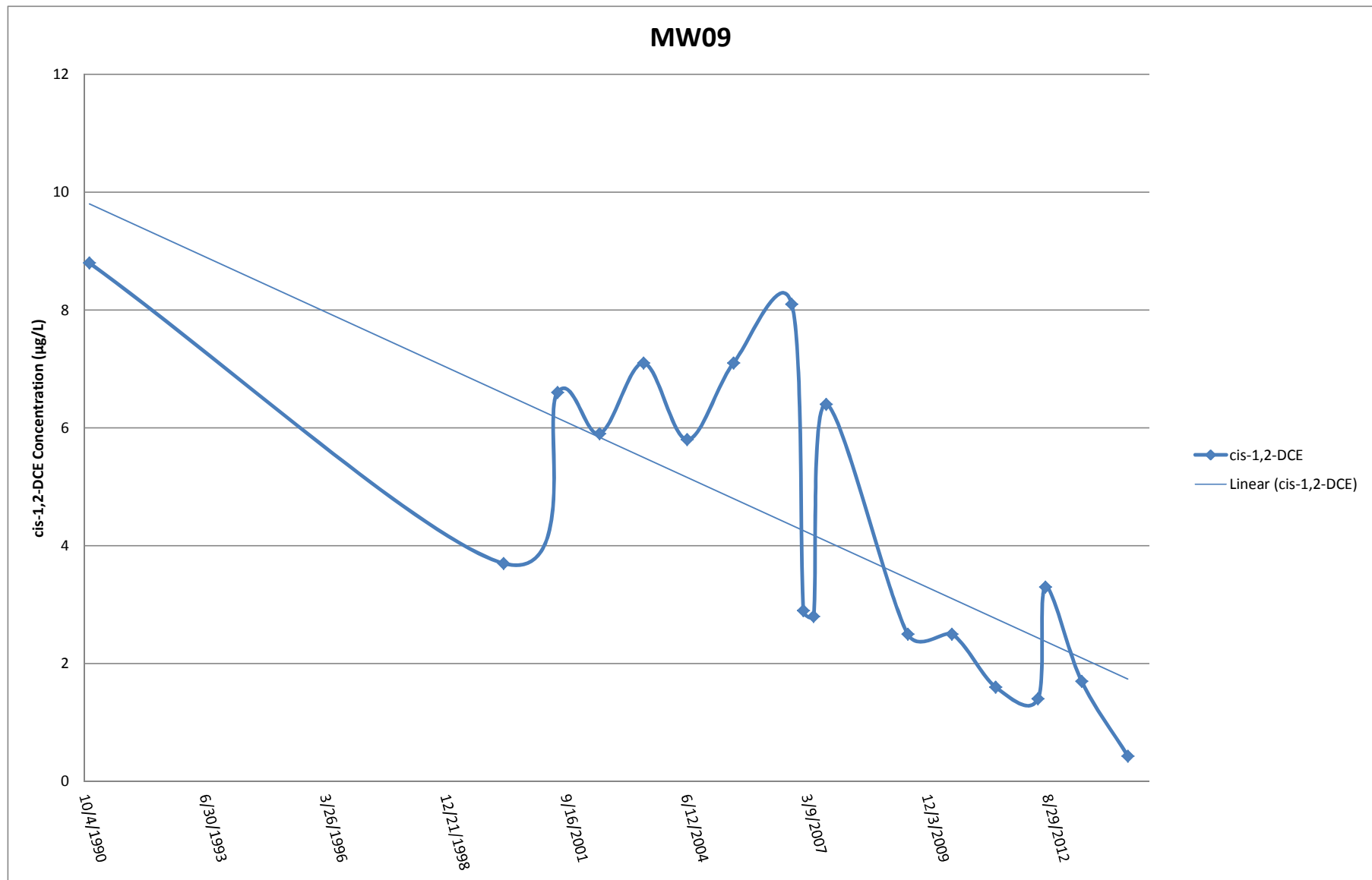
Linear = Trend line based on linear regression analysis of graph data



Linear = Trend line based on linear regression analysis of graph data

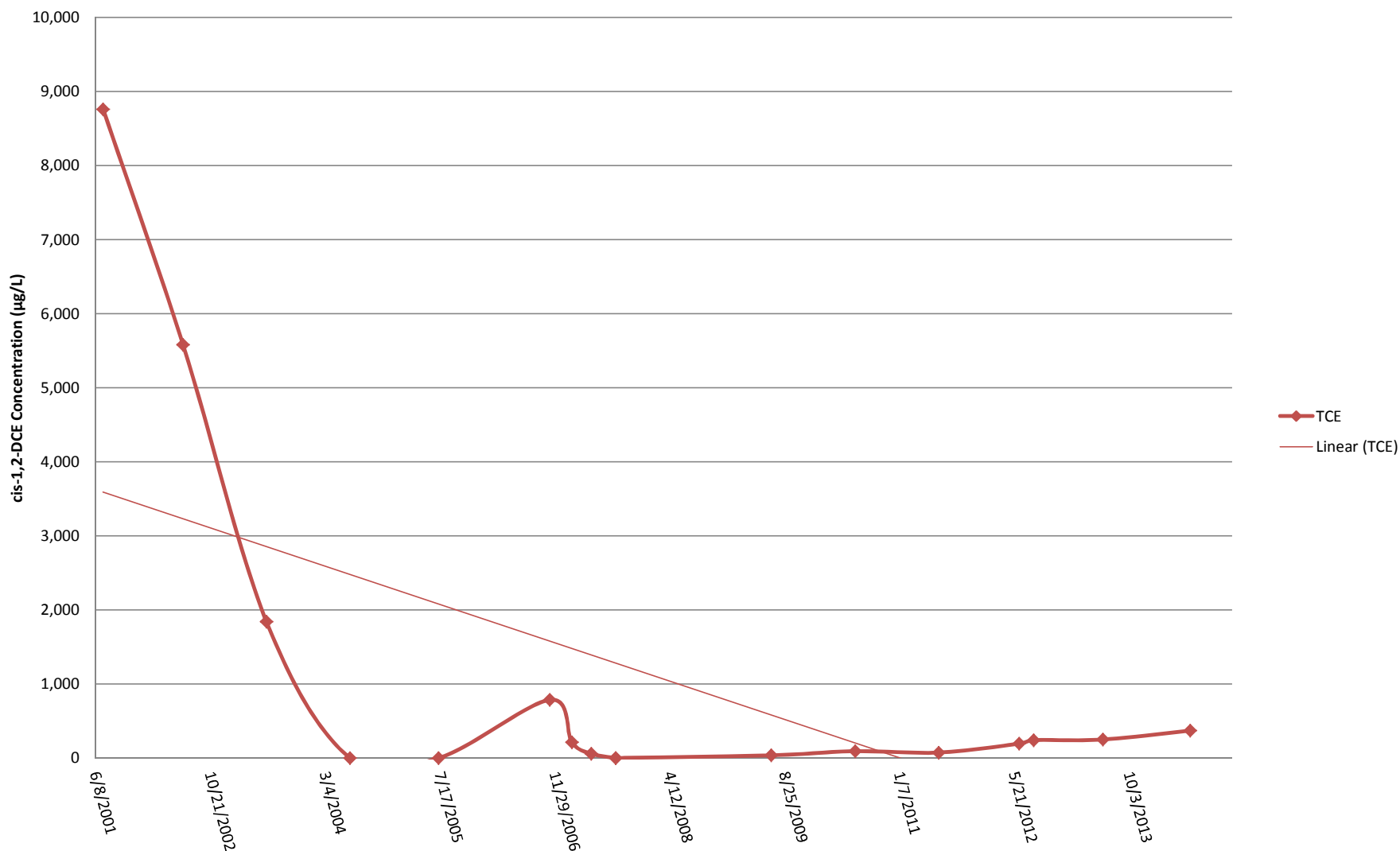


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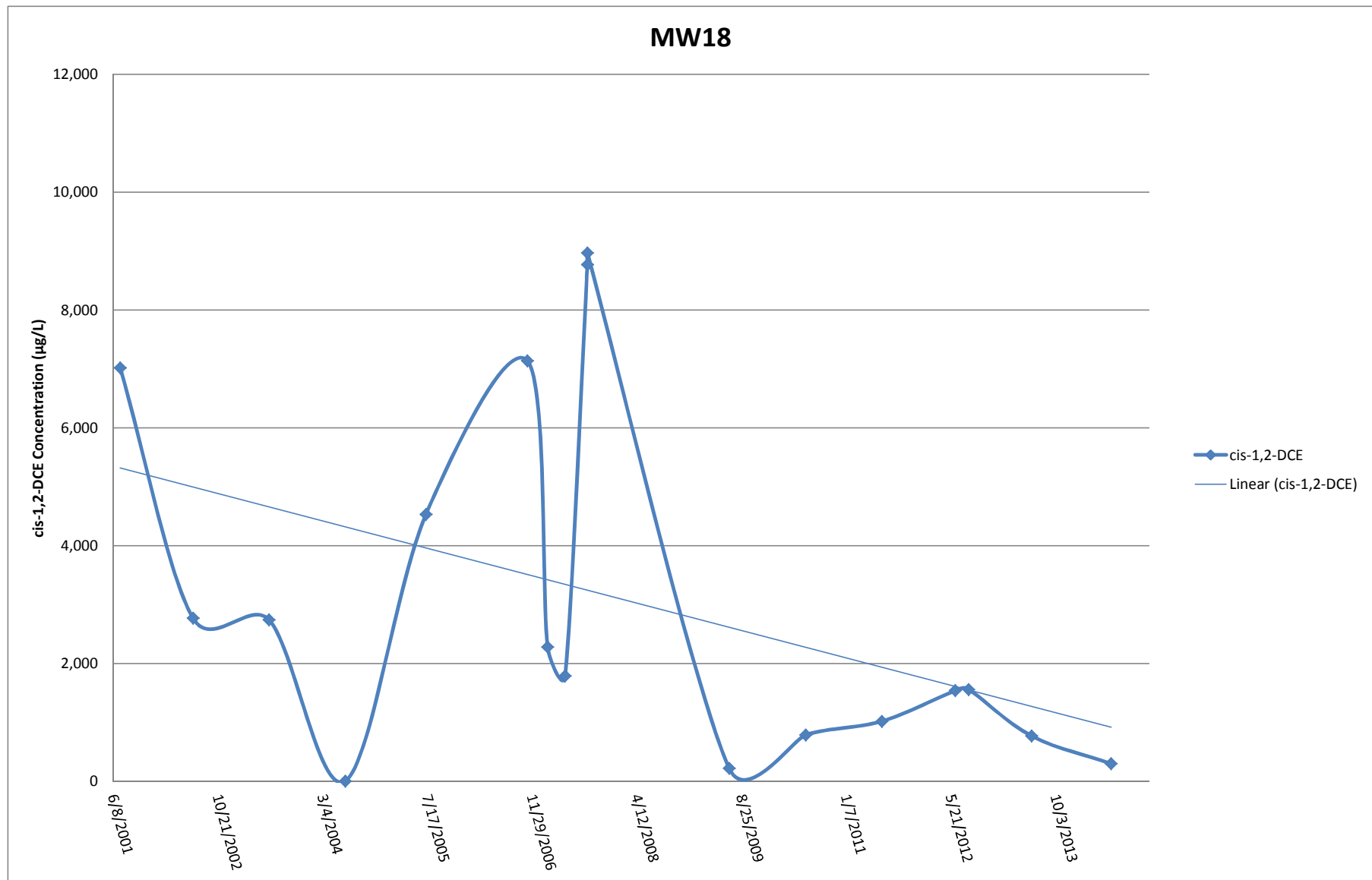


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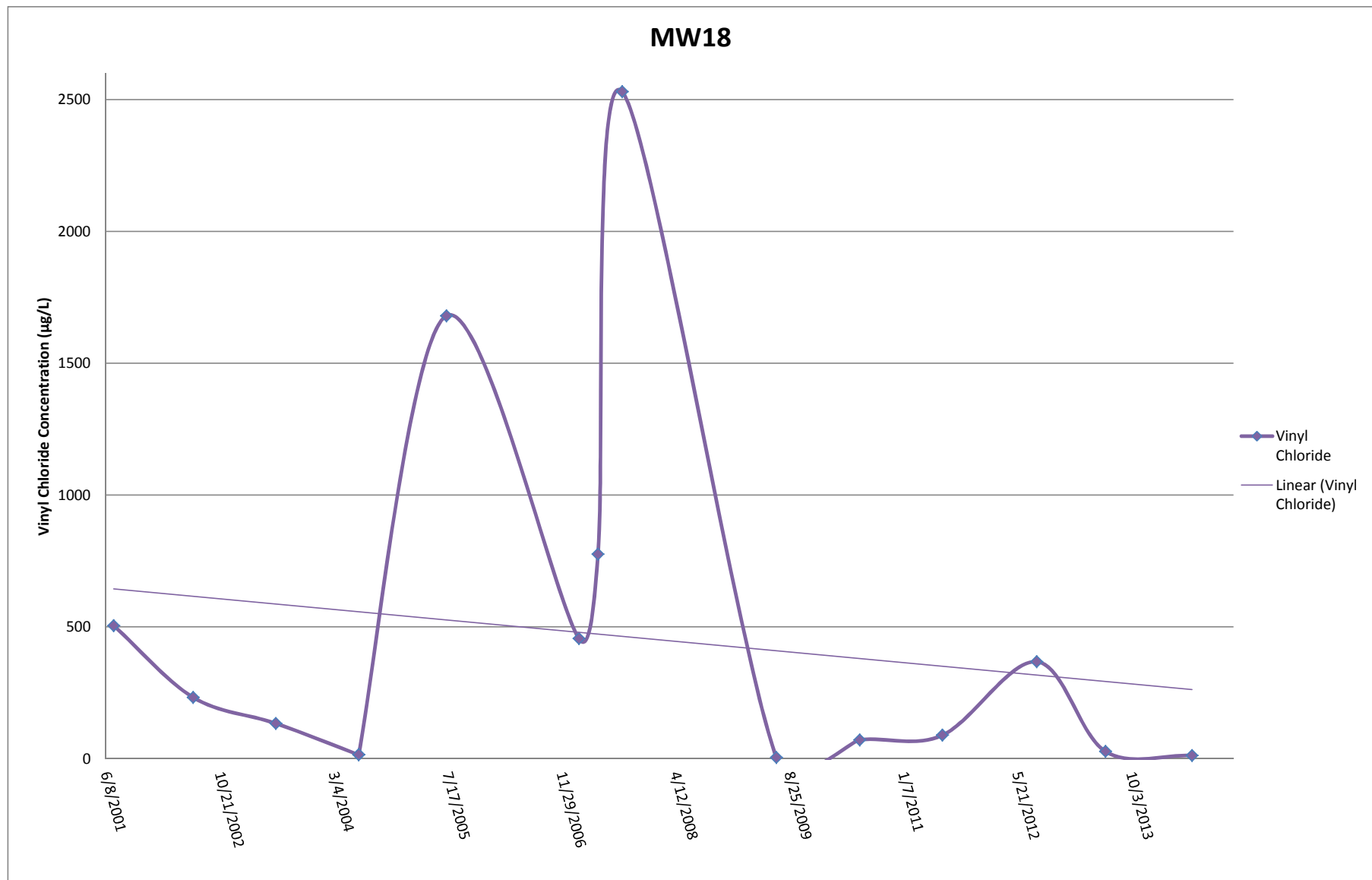
MW18



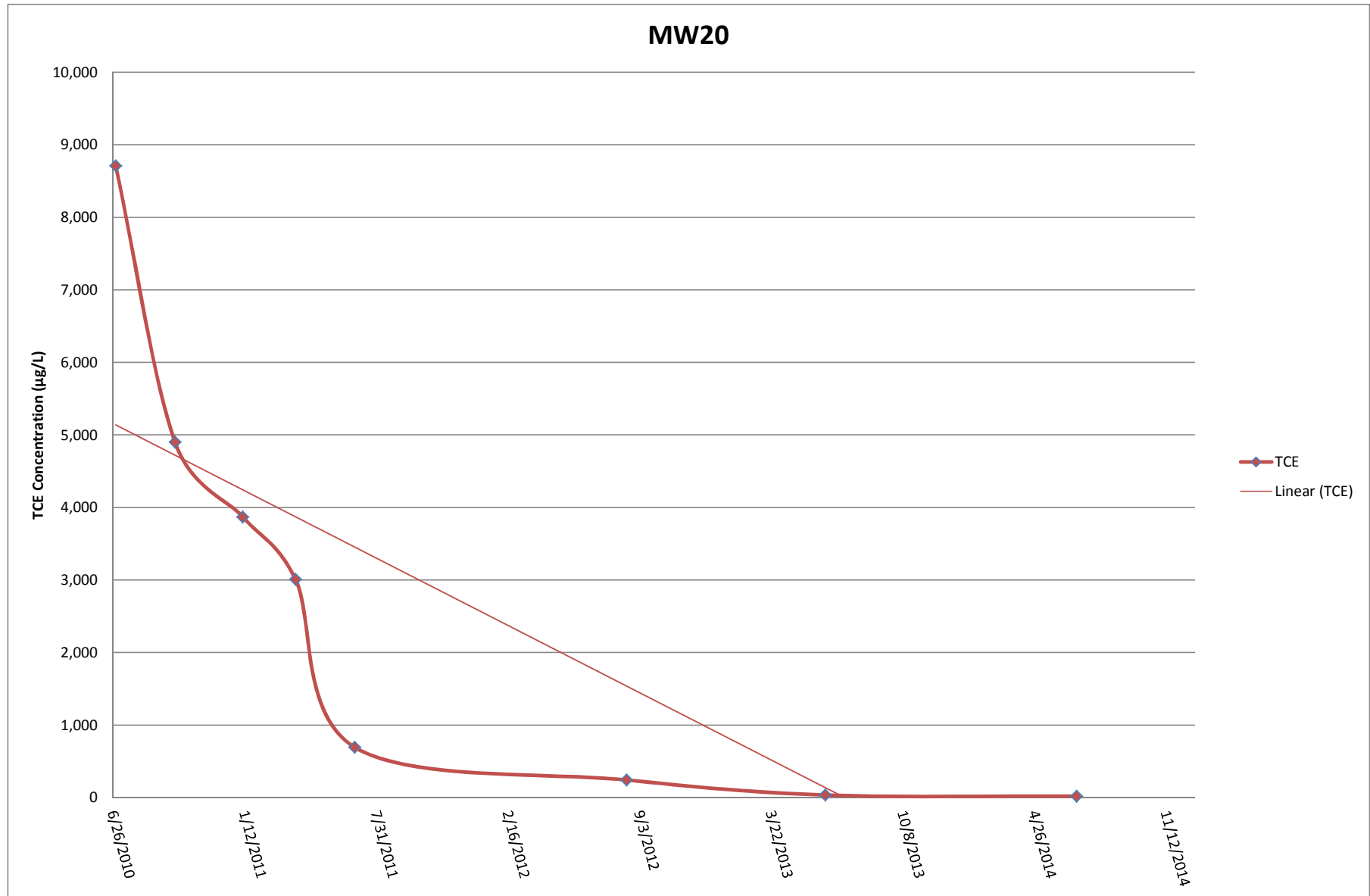
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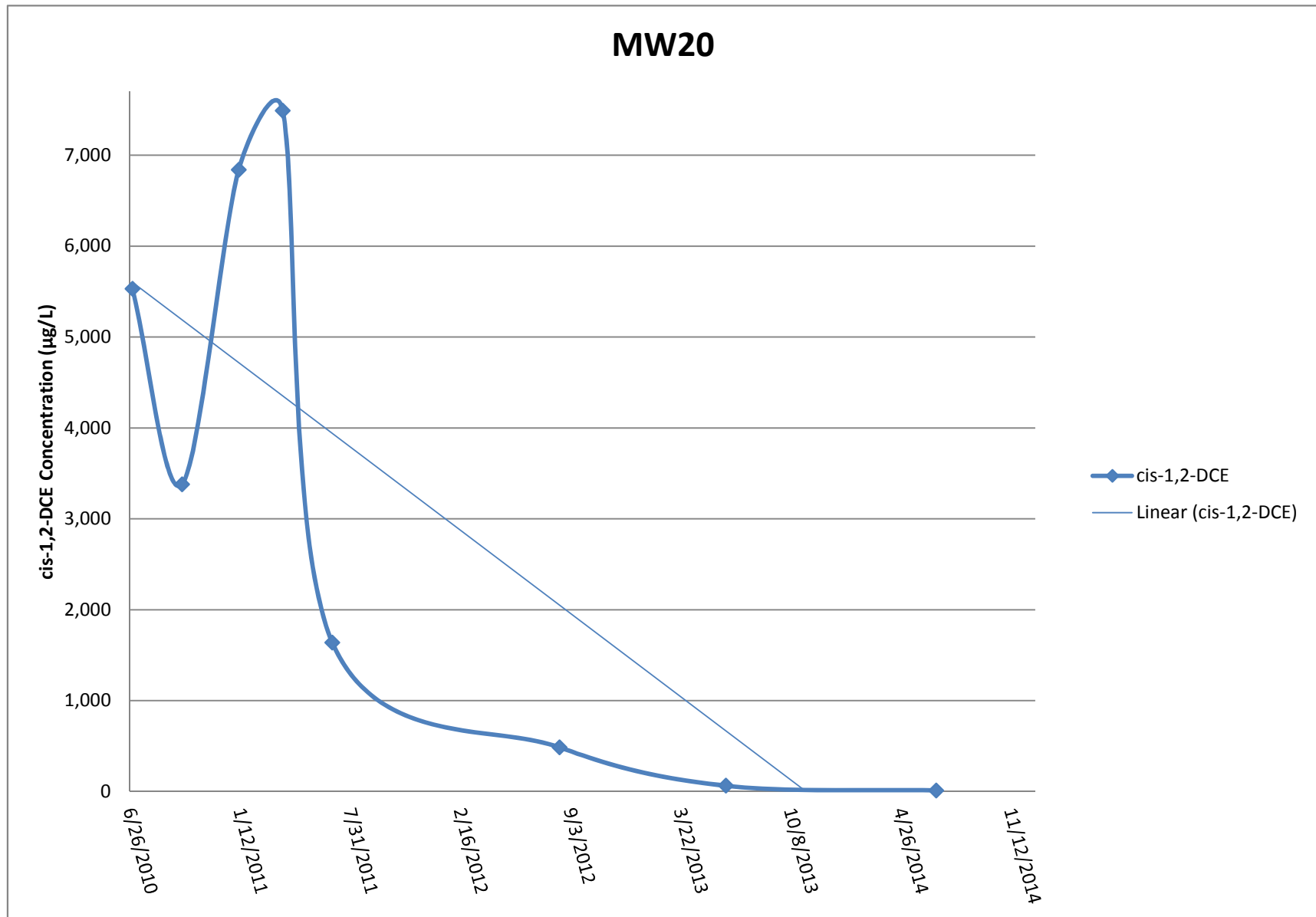
Linear = Trend line based on linear regression analysis of graph data



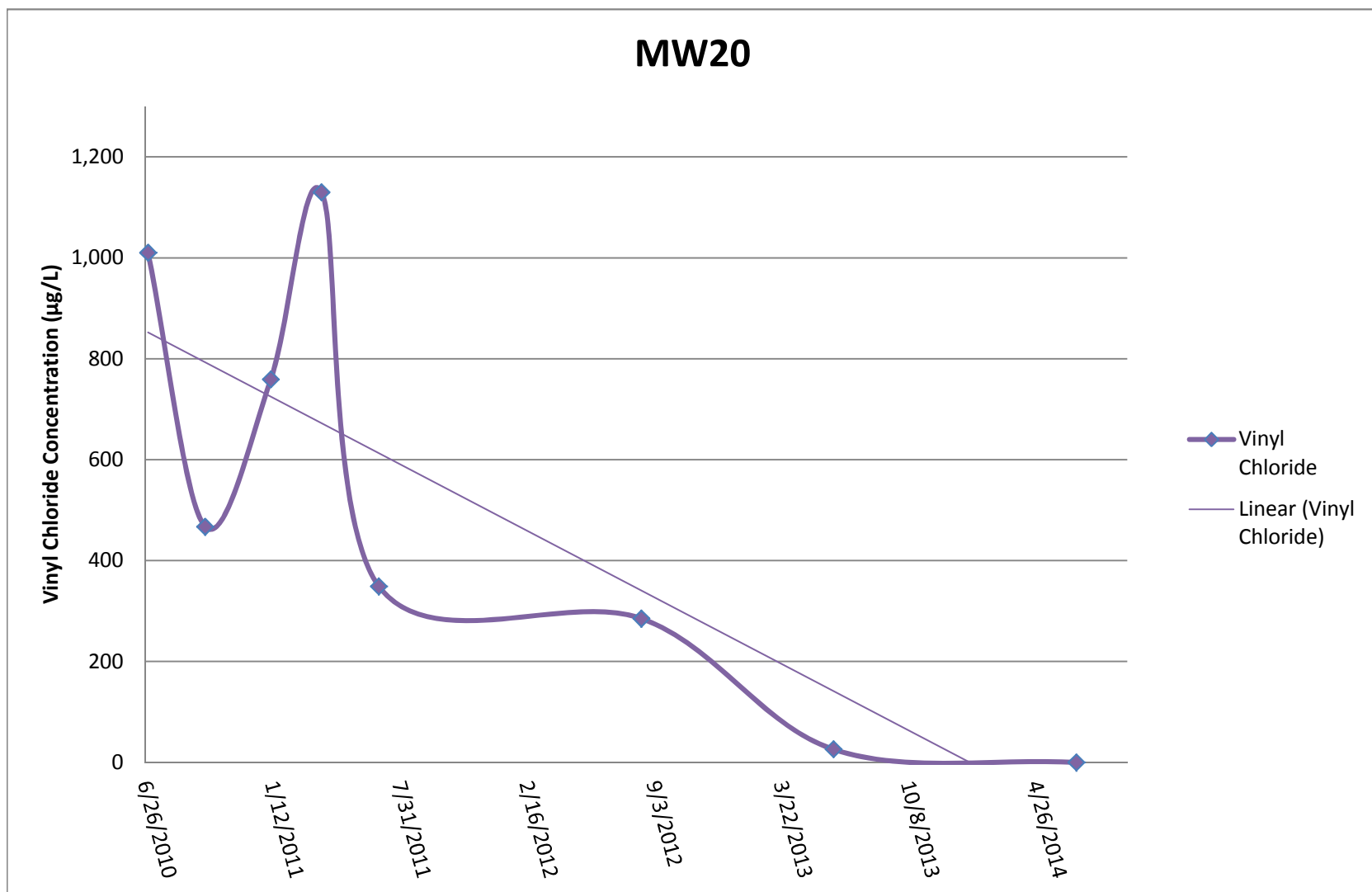
Linear = Trend line based on linear regression analysis of graph data



Linear = Trend line based on linear regression analysis of graph data



Linear = Trend line based on linear regression analysis of graph data



Linear = Trend line based on linear regression analysis of graph data



See Enclosed CD for Analytical Results