FINAL REPORT

Groundwater IRM
4th Quarter and Annual Summary 2015
Groundwater Monitoring Report

GE Aviation
612/60968

February 2016

O'BRIEN & GERE

612 | 60968

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4th Quarter and Annual Summary 2015
Groundwater Monitoring Report

Evendale, Ohio

Prepared for:
GE Aviation

February 2016

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1. INTRODUCTION

O'Brien & Gere Engineers, Inc. (OBG) has prepared this report on behalf of the General Electric Company (GE) to present the results of groundwater monitoring activities conducted during October through December 2015 (herein referred to as Fourth Quarter 2015) at the GE Aviation facility located in Evendale, Ohio. The quarterly monitoring event was conducted in accordance with the approach and methods outlined in the 2010 *IRM Performance Monitoring Plan* (PMP) prepared by OBG. In addition, the Second Semiannual 2015 (Site-wide semiannual) groundwater sampling event was performed from November 30, 2015 through December 3, 2015, associated with the Resource Conservation and Recovery Act (RCRA) Corrective Action Program at the Facility.

Groundwater monitoring was conducted to monitor the temporal effect on groundwater conditions of a groundwater Interim Remedial Measure (IRM). The groundwater IRM, which includes the operation of seven groundwater extraction wells and a groundwater treatment plant (GWTP), has been installed on the southern portion of the GE Aviation manufacturing facility (Facility) in Evendale, Ohio, within an area known as the former Air Force Plant 36 (AFP 36) (**Figure 1**). The groundwater remedial measure was initiated as an IRM under a RCRA Corrective Action Permit with the objective of mitigating off-site migration of compounds of potential concern (COPCs), while minimizing the risk of cross-contamination and/or reducing the effectiveness of biodegradation processes.

Groundwater monitoring data are evaluated and reported after each quarterly sampling event, including evaluations of quality assurance, cross-contamination potential, and significant short-term anomalies. A summary of the performance monitoring assessment for Fourth Quarter 2015, including responses to the key study questions outlined in the PMP, is provided in **Table 1**. Relevant details from the Fourth Quarter 2015 event are provided herein. Long-term trends and overall remediation progress will be evaluated and reported annually, at the end of each year.

2. METHODS

The groundwater monitoring network (**Figure 1**) consists of a total of 115 wells completed in three water-bearing units (Perched Zone, Upper Sand and Gravel [USG], and Lower Sand and Gravel [LSG]). Currently, this network is primarily utilized to support two programs: 1) the PMP, for monitoring of IRM performance, and 2) semiannual monitoring of site-wide water quality and VOC attenuation.

As outlined in the PMP, the general scope of groundwater monitoring activities includes:

- Groundwater level monitoring using manual measurements as well as pressure transducer measurements as outlined in the PMP. Monitoring was conducted using a total of 66 wells completed in the Perched Zone (21 wells), USG (23 wells), and LSG (22 wells). **Table 2** provides a listing of the wells utilized for groundwater level monitoring.
- Groundwater quality sampling was conducted using passive diffusion bag samplers (PDBs) for analysis of volatile organic compounds (VOCs) and in-situ field bioparameters (*e.g.,* dissolved oxygen [DO] and oxidation-reduction potential [ORP]), in accordance with the PMP. Groundwater samples were collected from a total of 44 wells completed in the Perched Zone (12 wells), USG (17 wells), and LSG (15 wells) (**Table 3**).
- Monthly sampling of groundwater from actively pumping extraction wells for analysis of VOCs.
- Evaluation of data from groundwater level and quality monitoring, including statistical analysis to address hydrogeologic conditions of stability (equilibrium) and potential cross-contamination.

Well completion data for groundwater level and quality monitoring are summarized in **Tables 2** and **3**, respectively. Methods and procedures for groundwater monitoring were conducted in accordance with the U.S. Environmental Protection Agency (USEPA) approved *Sampling and Analysis Plan* (SAP) (OBG, 2009) and the PMP. Additional details on field methods are provided in *Groundwater IRM, Quarterly Groundwater Monitoring Report – 3rd Qtr – 2012* (OBG, 2013a) and *Groundwater IRM, Quarterly Groundwater Monitoring Report – 4th Qtr – 2012, Annual Summary – 2012* (OBG, 2013b).

Field quality control (QC) samples included trip blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs). The QC samples were prepared in accordance with Section 3.3 of the SAP, using the frequencies specified in the Quality Assurance Project Plan (QAPP) tables contained in the SAP. Laboratory QA measures are identified in the SAP.

The semiannual groundwater monitoring was performed at 35 monitoring wells (formerly 36 monitoring wells; however, AF-23P was abandoned due to demolition and construction in that area of the site). The wells are sampled using PDBs for analysis of VOCs and field bioparameters in accordance with the USEPA-approved August 2009 Work Plan. Groundwater samples were collected from 35 wells completed in the Perched zone (12 wells), USG (11 wells), and LSG (12 wells) (**Tables 2** and **3** and **Figure 1**). Approximately 50% of these wells are included in the groundwater IRM monitoring program.

3. SUMMARY OF MONITORING RESULTS

Groundwater monitoring during the Fourth Quarter 2015 consisted of the collection and analysis of groundwater level and quality data to evaluate the occurrence of cross-contamination and significant short-term anomalies. A summary of the performance monitoring assessment is presented in **Table 1** and additional details are provided below.

An electronic copy of the laboratory analytical report is included in the attached CD. The laboratory analytical results for VOCs underwent Level A data review and verification by OBG (**Appendix A-1**) for the Fourth Quarter 2015 data, and data validation for the Second Semiannual 2015 data (**Appendix A-2**), which includes 19 wells completed in the Perched zone (4 wells), USG (8 wells), and LSG (7 wells) that are also part of the Fourth Quarter 2015 groundwater sampling event.

3.1 GROUNDWATER PUMPING SYSTEM

- The overall IRM system average flow rate was 195 gallons per minute (gpm) and the run-time was approximately 97%. An extraction well pilot study (Pilot Study) was initiated on August 11, 2015, and included cycling EW-7S and EW-8D on and off at the schedule prescribed in the *Pilot Test Plan* (OBG, 2015e). Extraction well average flow rates and durations for the Fourth Quarter 2015 include:
  - Perched Zone – 18 gpm (EW-6P) to 44 gpm (EW-4P)
  - USG – 2 gpm (EW-7S, 10 gpm when the pump was on during the Pilot Study; however, the pump was off more than on during the Pilot Study)
  - LSG – 47 gpm (EW-3D) and 18 gpm (EW-8D, 45 gpm when the pump was on during the Pilot Study).

3.2 GROUNDWATER ELEVATIONS

- Groundwater elevation data were used to create hydrographs (**Figures 5** through **7**) and calculate vertical hydraulic gradients between select nested wells for trend and statistical analysis. The results of these analyses were used to evaluate the potential occurrence of cross-contamination and equilibrium conditions (as summarized in **Table 1**) as well as estimate the capture zone of each extraction well(s) (**Figures 2** through **4**).

3.3 GROUNDWATER QUALITY

- Groundwater quality data for Fourth Quarter 2015 are provided in **Table 4**. Groundwater quality data were summarized via time-series analyses for individual and nested monitoring wells (**Figures 8** through **10**). In addition, statistical analyses were conducted to assess pumping risk associated with vertical and/or lateral cross-contamination (**Table 5**). Groundwater quality data and associated intrawell statistical analyses do not show significant trends or triggers in VOC concentrations indicative of cross-contamination, with the following noted exceptions:
  - AF-25P showed decreasing concentrations in the latest sampling round, but remain elevated relative to the prior year values, after increasing during recent quarterly events. TMW-1P showed an increase in concentrations of 1,1,1-trichloroethane (1,1,1-TCA) (170 µg/l), 1,1-dichloroethane (1,1-DCA) (43 µg/l), trichloroethene (TCE) (230 µg/l) and cis-1,2-dichloroethene (cis-1,2-DCE) (54 µg/l) from 90 µg/l, <1 µg/l, 140 µg/l and 31 µg/l, respectively, last quarterly event. These changes are associated with plume movement within the system capture zone.
  - OSMW-3D showed an increase in cis-1,2-DCE (410 µg/l) concentrations from 190 µg/l in the last quarterly event. However, the TCE concentration decreased from 270 µg/l last event to 1.2 µg/l this event.
  - OSMW-6D showed an increase in VC (240 µg/l) concentration from 150 µg/l in the last quarterly event, continuing a recent increasing trend.
  - OSMW-10D showed an increase in concentrations of 1,1,1-TCA (6 µg/l), 1,1-DCA (2.2 µg/l), TCE (15 µg/l) and cis-1,2-DCE (4.6 µg/l) from non-detected or low ppb concentrations during the last quarterly event.

  - TMW-2D showed an increase in cis-1,2-DCE (740 µg/l) concentration from 430 µg/l in the last quarterly event and remains elevated.

- Groundwater quality data for extraction wells and IRM system influent samples indicate steady or decreasing concentrations of chlorinated volatile organic compounds (CVOCs) (**Figure 11**) with the exception of:
  - The December 16, 2015, total CVOCs concentration increased in the IRM system influent sample as a result of an increase in the TCE concentration.

3.3.1 Semiannual Monitoring Wells

Historical groundwater analytical results from the sampled wells are summarized in three figures graphically depicting concentrations of TCE, cis-1,2-DCE, 1,1-dichloroethene (1,1-DCE), VC, 1,1,1-TCA, 1,1-DCA, and total CVOCs in the Perched zone (**Figure 8**), USG (**Figure 9**), and LSG (**Figure 10**).

For the majority of semiannual monitoring wells sampled during December 2015, the results for these wells compare favorably (*i.e.,* stable or declining trends) with historical data, falling below previous maximums or within the range of typical variation for the historical groundwater data (particularly recent historical data since 2009) with the following exceptions:

- **Perched Zone**
  - AF-24P - concentrations of TCE and trans-1,2-DCE increased; however, 1,1,1-TCA and cis-1,2-DCE remained similar or decreased since the last semiannual sampling event, and remain below peak concentrations established prior to IRM system startup.
  - H-221 - concentrations of 1,1,1-TCA and TCE increased since the last semiannual sampling event, yet remained lower than concentrations established prior to IRM system startup.
- **USG**
  - None.
- **LSG**
  - OSMW-8D - concentrations increased after decreasing last sampling event and established new peak concentrations.

COPC concentrations for the majority of wells north of former AFP36 (*e.g.*, AOC LDMW-1S, AOC PSTMW-1SR, AOC PSTMW-2S) and OSMW-5S/D continue to show decreasing or stable concentrations (within the range of typical variation for the historical groundwater data) with the following exceptions:

- OSMW-5S - the 1,1-DCA and cis-1,2-DCE concentrations continued to increase, and the VC concentration also increased after decreasing last sampling event.
- OSMW-5D - the cis-1,2-DCE concentration spiked to a new peak concentration continuing a recent increasing trend.

4. ANNUAL SUMMARY - 2015

A summary and evaluation is provided of key findings from groundwater IRM system operation and monitoring data collected during 2015. The IRM system was monitored in accordance with the USEPA-approved PMP during 2015, including IRM performance monitoring (influent and effluent concentrations), and groundwater quality and hydraulic (water level) monitoring associated with the IRM system. In addition, semiannual groundwater quality monitoring during 2015 was conducted in accordance with the USEPA-approved August 2009 Work Plan. The overall data usability with respect to completeness is 100 percent for the VOC data. The VOC data were also determined to be usable for qualitative and quantitative purposes. The data validation summary report for the Second Semiannual 2015 is provided in **Appendix A-2**.

4.1 IRM SYSTEM OPERATIONS

To assist in reviewing 2015 groundwater monitoring data and trends, the following summary is provided for the IRM system operations:

- The system operated for a total of 357 days or 98% in 2015, with short-term shut down of a few hours to a day for routine maintenance.
- USG extraction well EW-7S maintained a reduced pumping rate throughout 2015, with the average rate decreasing from 5 gpm during the First Quarter 2015 to 2 gpm during the Fourth Quarter 2015 as a result of on-off pump cycling during the Pilot Study. The Pilot Study began in August 2015 and will continue into the First Quarter 2016. GE continues to monitor the current pumping rate, and is evaluating the potential benefits of an alternate pumping approach, as outlined in the *Corrective Measures Study* (CMS) Work Plan (OBG, 2015e).
- The average IRM system extraction (flow) rate was approximately 218 gpm in 2015, with the extraction rate from each water-bearing zone as follows:
  - Perched Zone extraction system:
    - EW-2P: 37 gpm
    - EW-4P: 44 gpm
    - EW-5P: 24 gpm
    - EW-6P: 22 gpm (EW-6P experienced operational problems and/or cycled during much of 2015)
  - USG extraction well EW-7S operated at approximately 4 gpm
  - LSG extraction wells EW-3D and EW-8D operated at approximately 49 gpm and 38 gpm, respectively.
- A total of 115 million gallons of groundwater were extracted by the IRM system in 2015.

4.2 GROUNDWATER ELEVATION DATA

Groundwater elevation data were used to create hydrographs and calculate vertical hydraulic gradients between select nested wells for trend and statistical analysis. The results of these analyses were used to evaluate the occurrence of cross-contamination and equilibrium conditions, as outlined in the PMP, as well as estimate the groundwater flow paths and capture zone of the extraction wells. Highlights are summarized as follows:

- Groundwater Levels and Pumping Influence:
  - Allowing for seasonal fluctuations in regional groundwater levels, the depression of groundwater levels established in 2011 in the Perched and LSG was maintained in 2015. In the USG, the capture zone in EW-7S has reduced to less than the designed capture zone in 2015 due to the reduced pumping rate in this extraction well, and in response to cycling EW-7S during the Pilot Study. The effect on water quality is discussed below.

- Vertical Hydraulic Gradients:
  - In most areas of Perched Zone pumping, the vertical gradient between the Perched Zone and USG is upward due to pumping, reversing the regional downward vertical gradient between the Perched Zone and USG.
  - The vertical gradient between the USG and LSG in the area of EW-7S (*i.e.*, AF-11S/D and OSMW-4S/D) has reverted to downward during 2015 due to the pumping rate reduction and cycling of EW-7S (see **Figures 6** and **7**). A review of effluent concentrations from EW-7S indicates that EW-7S pumping rate modifications have not affected the capture of elevated CVOC concentrations (see **Figure 11**). In addition, the concentrations in nearby monitoring wells AF-11S/D and OSMW-4S/D have remained relatively stable even with the reduction in the USG pumping (see **Figures 9** and **10**).
  - Taking into account seasonal fluctuations and IRM treatment system shutdowns, the results indicate no significant increasing or decreasing trends in vertical hydraulic gradients, suggesting that flow in the aquifers remains at a steady state under pumping conditions. Trends do not indicate vertical cross-contamination.
  - There were no increased risks of vertical cross-contamination observed at the 2015 pumping rates.
- Steady-State and Capture Zone Estimates:
  - The steady-state conditions established in 2011 continued in 2015 in the Perched Zone, USG, and LSG, with allowances for seasonal fluctuations in regional groundwater levels. The reduced pumping rate at EW-7S contributed, however, to a reduction in the USG capture zone to less than the designed capture zone in 2015.
  - Steady-state conditions supported continuation of Progress Monitoring in the Perched Zone, USG, and LSG in 2015.
  - The estimated Perched Zone, USG, and LSG capture zones (**Figures 2** through **4**) observed in 2015 approximate the capture zones as designed, except as previously mentioned in the USG due to the reduction in the sustainable pumping rate of EW-7S. The Perched Zone and LSG capture zones were approximately equal to or slightly larger than designed and extend further eastward than designed.

4.3 GROUNDWATER QUALITY DATA

Groundwater quality data were used to assess the pumping risk associated with vertical and/or lateral cross-contamination, as well as to measure remedial progress. Highlights of this evaluation include:

- Monitoring Well Data – Cross-Contamination Analyses:
  - Field bioparameter data collected in 2015 were relatively stable and do not appear to indicate cross-contamination or a reduction in the effectiveness of biodegradation processes within the Perched Zone, USG, and LSG (see **Appendix C**).
  - In 2015, there was no increased risk of vertical cross-contamination observed at the 2015 pumping rates.
- **Extraction Well Influent – Chemical Data**
  - The data indicate steady state or decreasing concentrations in CVOCs (**Figure 11**) with the exception of:
    - EW-7S exhibited increasing CVOC concentrations associated with the reduced pumping rate in this well. GE continues to monitor the current pumping rate, and is evaluating the potential benefits of an alternate pumping approach.
    - The December 16, 2015, total CVOCs concentration increased in the IRM system influent sample as a result of an increase in the TCE concentration.
  - The influent analytical data will continue to be monitored on a monthly basis in 2016 to evaluate whether pumping rate adjustments for the wells (*i.e.*, system optimization) are necessary.

- Decreases in other extraction well concentrations in 2015 for individual constituents do not indicate the need for IRM system optimization at this time.
- Progress Monitoring will continue for the Perched Zone, USG, and LSG.
- A statistical summary of extraction well and IRM system influent analysis to evaluate the progress of the IRM system is presented in **Table 10**. The results were either stable (no significant trends) or decreasing (as evident by significant negative trends). An exception is a significant positive trend (increasing concentrations) for cis-1,2-DCE in extraction well EW-7S.

4.4 SEMIANNUAL GROUNDWATER QUALITY DATA

Semiannual analytical results for 2015 showed stable or declining trends in VOC concentrations for the majority of wells when compared with historical data. Increasing VOC concentrations were observed in select monitoring wells associated with plume movement/recovery (AF-24P, AF-25P, and TMW-1P) related to the operation of the groundwater IRM system.

Some increases in concentrations not apparently related to plume movement or recovery include wells OSMW-8D, TMW-2D, and OSMW-5S/D:

- cis 1,2-DCE concentrations in OSMW-5S continued to slowly increase.
- cis 1,2-DCE concentrations in OSMW-5D increased and peaked during the Fourth Quarter 2015
- Concentrations of VC in OSMW-8D and cis-1,2-DCE in TMW-2D have continued to increase and are near historical peak concentrations and will continued to be monitored through routine sampling.

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Tables

Table 1

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Performance Monitoring Assessment - 4Q-15

	PRIMARY DATA GROUP	KEY QUESTIONS	YES	NO	COMMENTS
GROUNDWATER ELEVATIONS					
	Hydrographs/Trends	Significant trends identified?	√		Groundwater levels increased overall in the Perched, USG and LSG due to seasonal effects; however, water levels decreased slightly through October 27, 2015 continuing the decreasing trend from 3Q-15 before increasing thereafter.
		Perched	√		Noticeable rise in water levels especially in Perched due to heavy rainfall events on October 27-28, 2015, November 6, 18 and 27-29, 2015 and December 21-28, 2015. Also, recovery and drawdown curves are noticeable within the USG and LSG in response to the cycling of EW-7S and EW-8D during the on going Pilot Study, and also due to IRM treatment system shutdowns, or the shutdown of EW-3D.
		USG	√		
		LSG	√		
		Depression of water levels maintained?	√		Slight reduction in drawdowns overall in the Perched, USG and LSG compared to 3Q-15, but not resulting in significant change in capture zones. Very limited for USG due to reduced pumping rate and cycling of EW-7S during the Pilot Study. Reduction of drawdowns in LSG and EW-8D capture zone due to cycling of EW-8D during Pilot Study.
	Vertical Gradients	Active pumping maintaining gradient reversal?		√	No for the following wells: AF-4P/S - due to EW-6P cycling and operational problems; AF-11S/D - due to reduction in EW-7S pumping; OSMW-4S/D - due to reduction in EW-7S pumping and cycling of EW-7S and EW-8D during Pilot Study.
		Statistically significant increasing (downward vertical) trends?		√	No
	Equilibrium/Capture Zones	**Steady state/equilibrium maintained?**	√		Slight reduction in drawdowns overall compared to 3Q-15
		Capture zone maintained at or near design?	√		Except for USG where capture zone is smaller than designed
GROUNDWATER QUALITY					
	Chemical Trends	Significant trends identified?			
		Perched		√	AF-25P - decreased, but remains elevated, TMW-1P - increased, and remains elevated. Both are associated with plume movement/IRM pumping
		USG		√	PMW-3S - increased potentially associated with plume movement - continue to monitor
		LSG		√	TMW-2D increased after decreasing last event, and remains elevated; OSMW-3D - increased after decreasing last event, OSMW-6D increased associated with VC increase; OSMW-10D increased after being relatively stable - continue to monitor
		Field bioparameters - indicative of cross-contamination?		√	
		Field bioparameters - reduced biodegradation effectiveness?		√	AF-6S, AF-9S, AF-25P, OSMW-3S, OSMW-3D, OSMW-4S, OSMW-4D, PMW-3P, PMW-3S, PMW-3D, TMW-1P and TMW-1S - DO and/or ORP increased; and pH generally increased - continue to monitor
	Vertical Cross-Contamination	**Nested wells - vertical cross-contamination?**		√	
	Lateral Cross-Contamination	**Potential off-site sources inhibiting remediation?**		√	
	Influent Concentrations	Significant trends identified?	√		EW-7S - decrease, after increasing associated with reduction in pumping rate; however, this was after a long period of shut down associated with the Pilot Study, which may have affected the results
		Statistical trends - Stable (no significant trends)?	√		Except for EW-7S - increasing cis-1,2-DCE associated with reduced capture zone for EW-7S
		Is continued pumping beneficial?	√		
		Statistical trends - Decreasing (significant negative trend)?	√		
		Optimize or re-evaluate?		√	Except for EW-7S and EW-8D
Note	Key questions in **BOLD** are PMP Problem Study Questions				

Table 2

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer[3]	Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[4]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
Perched														
	AF-2P	AF-2P	AF-2P		456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46
			AF-3P		456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42
	AF-4P	AF-4P		T	456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21
	AF-5P	AF-5P	AF-5P		455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75
	AF-6P	AF-6P			456059.85	1417402.52	559.80	561.68	2.00	27.70	532.10	32.70	527.10	35.34
	AF-7P	AF-7P	AF-7P	T	455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43
	AF-10P	AF-10P			456127.64	1416977.53	559.90	561.48	2.00	17.40	542.50	22.40	537.50	23.68
	AF-12P	AF-12P			456295.77	1416183.22	574.20	575.05	2.00	14.50	559.70	19.50	554.70	20.78
	AF-13P	AF-13P			456494.02	1416526.13	565.40	566.82	2.00	35.37	530.03	45.37	520.03	32.45
		AF-14P			456528.73	1416790.19	559.53	558.54	2.00	17.50	542.03	27.50	532.03	28.92
	AF-24P		AF-24P		456451.17	1417576.18	559.82	558.89	2.00	26.23	533.59	36.23	523.59	35.40
	AF-25P	AF-25P	AF-25P	T	456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10
	AF-26P				456122.18	1417674.94	558.30	557.78	2.00	30.96	527.34	40.96	517.34	35.44
			AOC LDMW-1S		457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90
			AOC PSTMW-1SR		459022.76	1417784.33	556.91		2.00					
			AOC PSTMW-2S		458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50
	GM-3P				457074.62	1418304.17	559.50	559.24	2.00	19.30	540.20	29.30	530.20	29.3[4]
	GM-9P	GM-9P		T	457104.10	1417217.11	560.30	559.95	2.00	18.00	542.30	28.00	532.30	27.65
			H-221		454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65
	OSMW-1P	OSMW-1P	OSMW-1P	T	455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53
	OSMW-2P	OSMW-2P	OSMW-2P		455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87
	OSMW-10P	OSMW-10P		T	455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
	OSMW-11P	OSMW-11P			455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
	OSMW-12P				455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
	OW-1P				455883.50	1417685.55	559.42	559.75	2.00	30.00	529.42	35.00	524.42	35[4]
	PMW-3P	PMW-3P		T	455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07
	PMW-5P	PMW-5P			1417293.42	455489.81	559.11	558.71	2.00	20.15	538.96	30.15	528.96	29.75
	PMW-6P	PMW-6P			1417456.08	455769.69	561.50	561.10	2.00	28.57	532.93	38.57	522.93	38.17
	TMW-1P	TMW-1P		T	455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84
	TMW-2P	TMW-2P			455595.65	1416931.21	556.94	559.71	2.00	28.50	528.44	33.50	523.44	38.45

See notes on page 3.

Table 2

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer[3]	Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[4]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
USG														
	AF-4S	AF-4S		T	456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03
	AF-5S	AF-5S	AF-5S		455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92
	AF-6S	AF-6S			456056.40	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80
	AF-7S	AF-7S	AF-7S	T	455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68
	AF-8S	AF-8S			455524.80	1417088.16	559.10	561.08	2.00	50.00	509.10	50.00	499.10	60.00
	AF-9S	AF-9S	AF-9S	T	455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75
	AF-10S	AF-10S			456134.19	1416979.21	559.90	561.98	2.00	61.00	498.90	71.00	488.90	67.75
	AF-11S	AF-11S		T	456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27
	AF-12S	AF-12S			456295.87	1416186.19	574.00	575.41	2.00	64.00	510.00	74.00	500.00	72.31
	AF-13S	AF-13S			456488.94	1416522.95	565.20	567.91	2.00	46.50	518.70	56.50	508.70	56.5[4]
	AF-14S	AF-14S			456526.22	1416788.87	559.50	558.56	2.00	56.50	503.00	66.50	493.00	66.5[4]
	AF-19S	AF-19S		T	455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65
	AF-20S	AF-20S			455927.77	1416940.35	559.80	562.47	2.00	59.00	500.80	69.00	490.80	71.57
	GM-9S	GM-9S		T	457108.81	1417214.23	561.00	560.13	2.00	43.00	518.00	53.00	508.00	52.09
	OSMW-1S	OSMW-1S	OSMW-1S	T	455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84
	OSMW-3S	OSMW-3S	OSMW-3S	T	455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60
	OSMW-4S	OSMW-4S	OSMW-4S	T	456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84
			OSMW-5S		453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54
			OSMW-6S		455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78
			OSMW-8S		454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70
	OSMW-9S	OSMW-9S			455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30
	OSMW-10S	OSMW-10S		T	455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20
	OSMW-11S	OSMW-11S			455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20
	PMW-3S	PMW-3S		T	455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40
	TMW-1S	TMW-1S	TMW-1S	T	455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75
	TMW-2S	TMW-2S	TMW-2S		455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08

See notes on page 3.

Table 2

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer[3]	Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[4]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
LSG														
	AF-1D				456927.14	1417977.19	559.80	559.78	4.00	108.00	451.80	118.00	441.80	118.00
	AF-5D		AF-5D		455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.1
	AF-7D	AF-7D	AF-7D	T	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77
	AF-8D				455517.69	1417091.88	559.00	560.73	4.00	86.00	473.00	96.00	463.00	93.72
	AF-9D	AF-9D		T	455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30
	AF-11D	AF-11D		T	456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79
	AF-12D	AF-12D			456297.35	1416191.94	573.30	575.45	4.00	102.00	471.30	112.00	461.30	111.85
	AF-15D	AF-15D			456991.44	1416851.88	559.80	560.95	4.00	103.00	456.80	113.00	446.80	112.86
	AF-16D				457003.87	1417280.19	560.40	561.83	4.00	91.00	469.40	101.00	459.40	102.57
	AF-17D	AF-17D			456484.75	1417467.78	560.30	561.37	4.00	90.00	470.30	100.00	460.30	99.48
	AF-19D	AF-19D		T	455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40
	AF-20D	AF-20D			455933.76	1416941.09	559.80	562.52	2.00	81.10	478.70	91.10	468.70	93.56
	AF-21D	AF-21D	AF-21D		455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11
	GM-3D				457163.25	1418266.08	560.80	562.47	4.00	138.00	422.80	148.00	412.80	148.00
	GM-5D				457241.00	1416754.00	562.00	564.07	4.00	126.43	455.57	116.43	445.57	116.75[4]
	GM-9D	GM-9D		T	457107.93	1417219.35	561.00	560.06	4.00	100.00	461.00	110.00	451.00	109.30
	H-223	H-223			454519.10	1417253.00	555.00	555.60	2.00	154.50	400.50	164.50	390.50	161.51
	OSMW-1D	OSMW-1D	OSMW-1D	T	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75
	OSMW-3D	OSMW-3D	OSMW-3D	T	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31
	OSMW-4D	OSMW-4D	OSMW-4D	T	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94
			OSMW-5D		452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72
	OSMW-6D	OSMW-6D	OSMW-6D		455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20
	OSMW-7D	OSMW-7D	OSMW-7D		456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80
			OSMW-8D		454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20
	OSMW-9D	OSMW-9D			455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60
	OSMW-10D	OSMW-10D		T	455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63
	OSMW-11D				455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
	OSMW-11DD				455459.02	1418006.62	552.04	551.68	2.00	140.00	412.04	150.00	402.04	149.83
	OSMW-12D				455880.20	1418333.14	553.66	553.29	2.00	123.00	430.66	133.00	420.66	133.76
	OSMW-12DD				455880.36	1418333.21	553.66	553.18	2.00	141.00	412.66	151.00	402.66	149.20
	OSMW-13D				455241.33	1417853.92	552.03	551.82	2.00	96.00	456.03	106.00	446.03	103.65
	OSMW-13DD				455241.62	1417854.06	552.03	551.70	2.00	142.00	410.03	152.00	400.03	151.84
	OW-3D				455360.77	1417112.74	557.72	557.43	2.00	135.00	422.72	140.00	417.72	140[4]
	OW-4D				455422.91	1417165.94	559.68	559.41	2.00	135.00	424.68	140.00	419.68	140[4]
	PMW-2D	PMW-2D			456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D		T	455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D			456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
	TMW-1D		TMW-1D		455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D		455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32

Notes
[1] Quarterly Progress Monitoring in the Perched, USG and LSG.
[2] Semiannual sampling occurs in the second and fourth quarters.
[3] T = Transducer; Blank = Manual.
[4] Total depths from ground surface (GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D)

Table 3

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Quality Monitoring

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[3]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
Perched													
			AF-2P	456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46
			AF-3P	456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42
	AF-4P	AF-4P		456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21
		AF-5P	AF-5P	455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75
	AF-7P	AF-7P	AF-7P	455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43
	AF-13P	AF-13P		456494.02	1416526.13	565.40	566.82	2.00	3.13	562.27	13.13	552.27	15.4[3]
			AF-24P	456451.17	1417576.18	559.82	558.89	2.00	26.23	533.59	36.23	523.59	35.40
	AF-25P	AF-25P	AF-25P	456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10
			AOC LDMW-1S	457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90
			AOC PSTMW-1SR	459022.76	1417784.33	556.91		2.00					
			AOC PSTMW-2S	458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50
			H-221	454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65
		OSMW-1P	OSMW-1P	455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53
			OSMW-2P	455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87
		OSMW-10P		455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
		OSMW-11P		455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
		OSMW-12P		455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
		OSMW-13P		455241.47	1417854.22	552.03	551.75	2.00	22.00	530.03	32.00	520.03	32.45
	PMW-3P	PMW-3P		455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07
	TMW-1P	TMW-1P		455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84
USG													
	AF-4S	AF-4S		456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03
		AF-5S	AF-5S	455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92
	AF-6S	AF-6S		456056.4	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80
	AF-7S	AF-7S	AF-7S	455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68
	AF-9S	AF-9S	AF-9S	455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75
	AF-11S	AF-11S		456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27
	AF-13S	AF-13S		456488.94	1416522.95	565.20	567.91	2.00	45.60	519.60	55.60	509.60	55.6[3]
	AF-19S	AF-19S		455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65
	OSMW-1S	OSMW-1S	OSMW-1S	455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84
	OSMW-3S	OSMW-3S	OSMW-3S	455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60
	OSMW-4S	OSMW-4S	OSMW-4S	456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84
			OSMW-5S	453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54
			OSMW-6S	455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78
			OSMW-8S	454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70
		OSMW-9S		455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30
		OSMW-10S		455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20
		OSMW-11S		455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20
	PMW-3S	PMW-3S		455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40
	TMW-1S	TMW-1S	TMW-1S	455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75
	TMW-2S	TMW-2S	TMW-2S	455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08

See notes on page 2.

Table 3

GE OHD 000 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Well Completion Data - Groundwater Quality Monitoring

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft)	TOC Elevation (ft)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[3]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
LSG													
			AF-5D	455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.10
	AF-7D	AF-7D	AF-7D	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77
	AF-9D			455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30
	AF-11D	AF-11D		456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79
	AF-19D	AF-19D		455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40
			AF-21D	455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11
	OSMW-1D	OSMW-1D	OSMW-1D	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75
	OSMW-3D	OSMW-3D	OSMW-3D	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31
	OSMW-4D	OSMW-4D	OSMW-4D	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94
			OSMW-5D	452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72
		OSMW-6D	OSMW-6D	455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20
			OSMW-7D	456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80
			OSMW-8D	454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20
	OSMW-9D	OSMW-9D		455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60
	OSMW-10D	OSMW-10D		455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63
		OSMW-11D		455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
		PMW-2D		456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D		455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D		456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
		TMW-1D	TMW-1D	455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D	455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32

Notes
[1] Quarterly Progress Monitoring in the Perched, USG and LSG.
[2] Semiannual sampling occurs in the second and fourth quarters.
[3] Total depths from ground surface (AF-13P, AF-13S).

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-15 and 2nd SA) - Detected Parameters Only

Location		AF-11D		AF-11S		AF-13P		AF-13S		AF-19D		AF-19S		AF-21D		AF-24P		AF-25P		AF-2P		AF-3P		AF-4P	
Sample Date		12/7/2015		12/7/2015		12/7/2015		12/7/2015		12/4/2015		12/4/2015		12/3/2015		12/3/2015		12/3/2015		11/30/2015		11/30/2015		12/4/2015	
FIELD PARAMETERS	**units**																								
dtw																									
pH	S.U.	8.59		7.77		6.77		11.68		7.74		7.72		7.86		7.68		7.75		7.96		7.56		7.67	
Conductivity (mS/cm)	mS/cm	0.512		0.663		0.489		0.253		1.279		1.116		0.808		5.642		2.903		1.242		0.987		1.968	
Turbidity (NTUs)	NTUs	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
DO (mg/L)	mg/L	0.68		0.28		1.10		2.02		0.30		0.31		0.98		0.34		1.64		0.25		0.17		0.82	
Temperature (oC)	Deg C	15.78		16.50		17.41		16.59		16.50		16.11		15.62		19.38		19.15		15.53		15.94		15.94	
Salinity		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
ORP (mV)	mV	-344.5		-193.9		-114.3		-91.1		-300.1		-241.8		-312.1		-322.7		-307.6		17.1		7.4		-336.2	
DETECTABLE VOCs	**units**																								
1,1,1-Trichloroethane	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		350		360		2.2		13		39	
1,1-Dichloroethane	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		110		59		7.8		1.1	J	6.4	
1,1-Dichloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		59		42		< 1.0		< 2.0		0.57	J
2-Butanone	ug/l	< 10		< 10		< 10		< 10		< 10		< 10		< 10		< 100		< 50		< 10		< 20		< 10	*
Acetone	ug/l	< 10		4.9	J	< 10		< 10		< 10		< 10		< 10	UJ	< 100	UJ	< 50	UJ	< 10		< 20		< 10	
Benzene	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 10		< 5.0		< 1.0		< 2.0		< 1.0	
Chloroethane	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 10		< 5.0		< 1.0		< 2.0		< 1.0	
Chloroform	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 10		< 5.0		< 1.0		< 2.0		0.72	J
cis-1,2-Dichloroethene	ug/l	0.97	J,F1	0.93	J	< 1.0		14		< 1.0		< 1.0		< 1.0		220		43		< 1.0		< 2.0		3.3	
Tetrachloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		8.0	J	5.2		< 1.0		8.9		12	
trans-1,2-Dichloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		110		5.2		< 1.0		< 2.0		< 1.0	
Trichloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		480		360		35		44		92	
Vinyl Chloride	ug/l	1.1		3.1		< 1.0		0.92	J	< 1.0		9.9		< 1.0		36		< 5.0		< 1.0		< 2.0		< 1.0	

Notes:

1) J = Estimated
2) NM = Not Measured
3) UJ - Denotes a negative blank concentration and non-detected concentrations in the associated samples are qualifed as approximate (see Data Validation report).
4) See Table 3 for listing of semiannual wells
5) F1 - See Appendix B - MS/MSD recovery issue. Sample results not affected.
6) * - See Appendix B - The LCS or LCSD is outside the control limit.

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-15 and 2nd SA) - Detected Parameters Only

Location		AF-4S		AF-5D		AF-5P		AF-5S		AF-6S		AF-7D		AF-7P		AF-7S		AF-9S		AOC LDMW-1S		AOC PSTMW-1SR		AOC PSTMW-2S	
Sample Date		12/4/2015		11/30/2015		11/30/2015		11/30/2015		12/4/2015		12/3/2015		12/3/2015		12/3/2015		12/3/2015		11/30/2015		11/30/2015		12/3/2015	
FIELD PARAMETERS	**units**																								
dtw																									
pH	S.U.	7.69		7.64		7.39		7.54		7.65		7.63		7.58		7.78		7.90		7.59		7.40		6.24	
Conductivity (mS/cm)	mS/cm	1.573		0.761		1.486		0.996		1.465		0.911		1.196		1.11		0.988		2.331		3.223		3.281	
Turbidity (NTUs)	NTUs	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
DO (mg/L)	mg/L	0.61		0.63		0.09		1.08		1.06		0.33		0.61		0.49		1.20		0.27		0.50		0.73	
Temperature (oC)	Deg C	15.66		14.21		15.81		15.99		18.30		16.15		17.81		16.89		16.12		19.77		16.48		17.19	
Salinity		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
ORP (mV)	mV	-352.3		-175.7		6.9		-143.2		-304.3		-337.1		-335.3		-351.3		-311.1		97.4		103.1		-322.9	
DETECTABLE VOCs	**units**																								
1,1,1-Trichloroethane	ug/l	5.3		< 1.0		39		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		170		< 1.0		17	
1,1-Dichloroethane	ug/l	3.3		< 1.0		3.8	J	4.7		< 1.0		< 1.0		1.5		7.3		0.44	J	170		< 1.0		< 1.0	
1,1-Dichloroethene	ug/l	1.6		< 1.0		< 4.0		< 1.0		< 1.0		< 1.0		< 1.0		2.0		< 1.0		9.3		< 1.0		1.4	
2-Butanone	ug/l	< 10	*	< 10		< 40		< 10		< 10		< 10		< 10		< 10		< 10		< 50		< 10		< 10	
Acetone	ug/l	< 10		< 10		< 40		< 10		< 10		< 10	UJ	< 10	UJ	< 10	UJ	< 10	UJ	< 50		< 10		< 10	UJ
Benzene	ug/l	0.75	J	< 1.0		< 4.0		0.41	J	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 5.0		< 1.0		< 1.0	
Chloroethane	ug/l	< 1.0		< 1.0		< 4.0		0.71	J	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 5.0		< 1.0		< 1.0	
Chloroform	ug/l	< 1.0		< 1.0		< 4.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		4.6	J	< 1.0		< 1.0	
cis-1,2-Dichloroethene	ug/l	32		< 1.0		3.9	J	6.4		< 1.0		< 1.0		< 1.0		470		< 1.0		< 5.0		< 1.0		< 1.0	
Tetrachloroethene	ug/l	< 1.0		< 1.0		< 4.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 5.0		< 1.0		< 1.0	
trans-1,2-Dichloroethene	ug/l	1.7		< 1.0		< 4.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 5.0		< 1.0		< 1.0	
Trichloroethene	ug/l	12		< 1.0		100		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		180		< 1.0		2.1	
Vinyl Chloride	ug/l	1.3		< 1.0		< 4.0		35		< 1.0		< 1.0		2.7		480		< 1.0		< 5.0		< 1.0		< 1.0	

Notes:

1) J = Estimated
2) NM = Not Measured
3) UJ - Denotes a negative blank concentration and non-detected concentrations in the associated samples are qualifed as approximate (see Data Validation report).
4) See Table 3 for listing of semiannual wells
5) F1 - See Appendix B - MS/MSD recovery issue. Sample results not affected.
6) * - See Appendix B - The LCS or LCSD is outside the control limit.

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-15 and 2nd SA) - Detected Parameters Only

Location		H-221		OSMW-10D		OSMW-10P		OSMW-10S		OSMW-11D		OSMW-11P		OSMW-11S		OSMW-12P		OSMW-13P		OSMW-1D		OSMW-1P		OSMW-1S	
Sample Date		12/3/2015		12/4/2015		12/4/2015		12/4/2015		12/7/2015		12/7/2015		12/7/2015		12/7/2015		12/7/2015		12/2/2015		12/2/2015		12/2/2015	
FIELD PARAMETERS	**units**																								
dtw																									
pH	S.U.	7.51		7.67		7.50		7.49		7.55		7.33		7.56		7.62		7.33		7.71		7.24		7.78	
Conductivity (mS/cm)	mS/cm	1.463		1.659		1.755		1.372		1.16		1.284		1.276		0.768		1.077		0.897		1.22		1.129	
Turbidity (NTUs)	NTUs	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
DO (mg/L)	mg/L	0.76		0.68		0.47		0.34		0.47		0.32		0.74		0.50		0.73		0.41		0.56		0.25	
Temperature (oC)	Deg C	17.29		16.11		17.70		17.23		14.53		17.13		15.16		15.52		17.11		15.30		16.74		15.60	
Salinity		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
ORP (mV)	mV	-342.5		-283.1		-281.1		-285.0		-102.7		-104.1		-49.7		20.4		-8.1		-175.5		-9.4		-160.2	
DETECTABLE VOCs	**units**																								
1,1,1-Trichloroethane	ug/l	18		6		6		6.8		< 1.0		< 1.0		1.9	J	3		< 1.0		< 1.0		< 1.0		< 10	
1,1-Dichloroethane	ug/l	3.5		2.2		17		3.5		< 1.0		0.9	J	23		2.7		2.6		1.2		2.3		< 10	
1,1-Dichloroethene	ug/l	< 2.0		0.46	J	< 1.0		< 1.0		< 1.0		< 1.0		2.4		< 1.0		< 1.0		< 1.0		< 1.0		< 10	
2-Butanone	ug/l	< 20		< 10		< 10		< 10		< 10		< 10		< 20		< 10		< 10		< 10	UJ	< 10	UJ	< 100	UJ
Acetone	ug/l	< 20	UJ	< 10		< 10		< 10		3.3	J	5.2	J	< 20		6.9	J	6.4	J	< 10	UJ	< 10	UJ	< 100	UJ
Benzene	ug/l	< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 10	
Chloroethane	ug/l	< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 10	
Chloroform	ug/l	< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 10	
cis-1,2-Dichloroethene	ug/l	< 2.0		4.6		37		21		1		1.2		180		< 1.0		< 1.0		1.9		< 1.0		54	
Tetrachloroethene	ug/l	< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 10	
trans-1,2-Dichloroethene	ug/l	< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		4.4		< 1.0		< 1.0		< 1.0		< 1.0		< 10	
Trichloroethene	ug/l	45		15		13		15		< 1.0		< 1.0		23		3.9		< 1.0		< 1.0		< 1.0		< 10	
Vinyl Chloride	ug/l	< 2.0		1.1		< 1.0		< 1.0		1.1		< 1.0		< 2.0		< 1.0		< 1.0		9.9		< 1.0		140	

Notes:

1) J = Estimated
2) NM = Not Measured
3) UJ - Denotes a negative blank concentration and non-detected concentrations in the associated samples are qualifed as approximate (see Data Validation report).
4) See Table 3 for listing of semiannual wells
5) F1 - See Appendix B - MS/MSD recovery issue. Sample results not affected.
6) * - See Appendix B - The LCS or LCSD is outside the control limit.

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-15 and 2nd SA) - Detected Parameters Only

Location		OSMW-2P		OSMW-3D		OSMW-3S		OSMW-4D		OSMW-4S		OSMW-5D		OSMW-5S		OSMW-6D		OSMW-6S		OSMW-7D		OSMW-8D		OSMW-8S	
Sample Date		12/2/2015		12/3/2015		12/3/2015		11/30/2015		11/30/2015		12/3/2015		12/2/2015		12/3/2015		12/3/2015		12/3/2015		12/3/2015		12/3/2015	
FIELD PARAMETERS	**units**																								
dtw																									
pH	S.U.	7.74		7.61		7.74		6.84		6.01		8.21		7.49		7.91		12.20		7.55		8.70		12.32	
Conductivity (mS/cm)	mS/cm	1.051		1.008		1.126		0.356		0.657		0.667		0.907		0.986		0.621		0.257		0.537		0.844	
Turbidity (NTUs)	NTUs	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
DO (mg/L)	mg/L	0.53		1.10		1.47		0.33		0.94		0.60		1.17		0.57		1.46		0.66		1.01		1.90	
Temperature (oC)	Deg C	15.48		16.09		16.47		15.83		15.99		14.88		15.61		16.29		16.82		15.25		16.21		15.99	
Salinity		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
ORP (mV)	mV	-104.4		-301.9		-281.1		-65.4		-64.5		-326.4		-117.8		-348.7		-339.0		-338.8		-348.2		-326.7	
DETECTABLE VOCs	**units**																								
1,1,1-Trichloroethane	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 1.0	
1,1-Dichloroethane	ug/l	5.2		0.46	J	< 1.0		1.7		< 1.0		< 2.0		3.0		5.1		0.88	J	< 1.0		0.42	J	9.5	
1,1-Dichloroethene	ug/l	< 1.0		0.59	J	< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 5.0		1.2		< 1.0		< 1.0		< 1.0	
2-Butanone	ug/l	< 10	UJ	< 10		< 10		< 10		< 10		< 20		< 10	UJ	< 50		< 10		< 10		< 10		< 10	
Acetone	ug/l	< 10	UJ	< 10	UJ	< 10	UJ	< 10		< 10		< 20	UJ	< 10	UJ	< 50	UJ	< 10	UJ	< 10	UJ	< 10	UJ	< 10	UJ
Benzene	ug/l	< 1.0		0.81	J	< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 1.0	
Chloroethane	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 1.0	
Chloroform	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 1.0	
cis-1,2-Dichloroethene	ug/l	18		410		< 1.0		2.3		< 1.0		290		16		26		9.7		< 1.0		10		2.8	
Tetrachloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 1.0	
trans-1,2-Dichloroethene	ug/l	< 1.0		12		< 1.0		< 1.0		< 1.0		6.0		0.92	J	< 5.0		< 1.0		< 1.0		< 1.0		< 1.0	
Trichloroethene	ug/l	< 1.0		1.2		< 1.0		< 1.0		< 1.0		< 2.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 1.0	
Vinyl Chloride	ug/l	20		21		0.96	J	5.8		2.2		19		7.0		240		2.7		6.3		55		2.3	

Notes:

1) J = Estimated
2) NM = Not Measured
3) UJ - Denotes a negative blank concentration and non-detected concentrations in the associated samples are qualifed as approximate (see Data Validation report).
4) See Table 3 for listing of semiannual wells
5) F1 - See Appendix B - MS/MSD recovery issue. Sample results not affected.
6) * - See Appendix B - The LCS or LCSD is outside the control limit.

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-15 and 2nd SA) - Detected Parameters Only

Location		OSMW-9D		OSMW-9S		PMW-2D		PMW-3D		PMW-3P		PMW-3S		PMW-4D		TMW-1D		TMW-1P		TMW-1S		TMW-2D		TMW-2S	
Sample Date		12/7/2015		12/7/2015		12/4/2015		12/4/2015		12/4/2015		12/4/2015		12/7/2015		11/30/2015		12/4/2015		11/30/2015		12/3/2015		12/3/2015	
FIELD PARAMETERS	**units**																								
dtw																									
pH	S.U.	8.39		8.78		7.58		7.72		7.32		7.47		12.57		7.35		7.67		7.21		7.85		7.79	
Conductivity (mS/cm)	mS/cm	0.934		0.141		0.722		1.099		1.301		1.09		1.253		0.916		1.996		0.843		1.475		1.136	
Turbidity (NTUs)	NTUs	NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
DO (mg/L)	mg/L	0.55		0.57		0.87		0.84		3.64		1.69		0.43		0.75		0.96		0.45		0.71		0.87	
Temperature (oC)	Deg C	15.88		16.08		14.52		16.04		17.49		17.32		16.11		14.82		17.00		16.48		16.04		16.24	
Salinity		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM		NM	
ORP (mV)	mV	-118.1		-110.9		-327.2		-312.2		-289.5		-305.6		-199.5		-141.0		-352.4		-82.8		-312.3		-317.6	
DETECTABLE VOCs	**units**																								
1,1,1-Trichloroethane	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		9.5		5.5		< 1.0		< 1.0		170		< 1.0		< 5.0		< 1.0	
1,1-Dichloroethane	ug/l	< 1.0		< 2.0		0.46	J	3.3		60		4.7		< 1.0		< 1.0		43		2.5		< 5.0		< 1.0	
1,1-Dichloroethene	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		0.59	J	< 1.0		< 1.0		< 1.0		17		< 1.0		< 5.0		< 1.0	
2-Butanone	ug/l	3.3	J	< 20		< 10	*	< 10		< 10	*	< 10		< 10		< 10		< 40	*	< 10		< 50		< 10	
Acetone	ug/l	33		7.2	J	4.2	J	3.2	J	< 10		< 10		< 10		< 10		< 40		3.3	J	< 50	UJ	< 10	UJ
Benzene	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 4.0		< 1.0		3.3	J	< 1.0	
Chloroethane	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 4.0		< 1.0		< 5.0		< 1.0	
Chloroform	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		2.0	J	< 1.0		< 5.0		< 1.0	
cis-1,2-Dichloroethene	ug/l	< 1.0		34		< 1.0		6.5		170		34		< 1.0		< 1.0		54		< 1.0		740		< 1.0	
Tetrachloroethene	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		1.6	J	< 1.0		< 5.0		< 1.0	
trans-1,2-Dichloroethene	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 4.0		< 1.0		170		< 1.0	
Trichloroethene	ug/l	< 1.0		< 2.0		< 1.0		< 1.0		16		13		< 1.0		< 1.0		230		< 1.0		2.6	J	< 1.0	
Vinyl Chloride	ug/l	12		91		< 1.0		12		0.92	J	12		2.6		< 1.0		13		1.4		31		< 1.0	

Notes:

1) J = Estimated
2) NM = Not Measured
3) UJ - Denotes a negative blank concentration and non-detected concentrations in the associated samples are qualifed as approximate (see Data Validation report).
4) See Table 3 for listing of semiannual wells
5) F1 - See Appendix B - MS/MSD recovery issue. Sample results not affected.
6) * - See Appendix B - The LCS or LCSD is outside the control limit.

Table 5
GE OHD 000 817 312
Evendale, Ohio
Summary of Groundwater Chemical Cross-Contamination Analyses

			12/1/2015			
Well ID	TCA_grp UTL Value (µmol/L)	TCE_grp UTL Value (µmol/L)	TCA Group Values (µmol/L)	TCE Group Values (µmol/L)	TCA Group Comparison	TCE Group Comparison
AF-11S	.0842	3.1943	0.0000	0.0592	ACCEPT	ACCEPT
AF-21D	.0070	0.5265	0.0000	0.0000	ACCEPT	ACCEPT
AF-24P	18.0821	9.9566	4.3438	7.6656	ACCEPT	ACCEPT
AF-25P	12.3782	11.3839	3.7280	3.2566	ACCEPT	ACCEPT
AF-2P	.1073	.5533	0.0953	0.2652	ACCEPT	ACCEPT
AF-3P	.9429	1.6063	0.1086	0.3871	ACCEPT	ACCEPT
AF-4S	1.1853	5.9427	0.0896	0.4593	ACCEPT	ACCEPT
AF-5D	.0155	.0044	0.0000	0.0000	ACCEPT	ACCEPT
AF-5P	1.3739	4.5782	0.3307	0.7980	ACCEPT	ACCEPT
AF-5S	2.5715	9.0739	0.0585	0.6260	ACCEPT	ACCEPT
AF-7D	.0240	.0261	0.0000	0.0000	ACCEPT	ACCEPT
AF-7P	10.8813	9.7516	0.0152	0.0432	ACCEPT	ACCEPT
AF-7S	.7677	31.8240	0.0944	12.5281	ACCEPT	ACCEPT
AF-9S	.0694	0.7894	0.0044	0.0000	ACCEPT	ACCEPT
AOC LDMW-1S	66.8780	21.1752	3.0881	1.3640	ACCEPT	ACCEPT
AOC PSTMW-2S	.6589	.2892	0.1419	0.0159	ACCEPT	ACCEPT
H-221	.7940	1.0121	0.1703	0.3410	ACCEPT	ACCEPT
OSMW-10D	.1633	.1269	0.0720	0.1787	ACCEPT	REJECT
OSMW-10P	3.9915	2.7868	0.2168	0.4802	ACCEPT	ACCEPT
OSMW-10S	3.5411	1.2163	0.0863	0.3303	ACCEPT	ACCEPT
OSMW-11D	.7604	8.2552	0.0000	0.0279	ACCEPT	ACCEPT
OSMW-11P	.0232	.0066	0.0091	0.0124	ACCEPT	REJECT[2]
OSMW-11S	1.0371	11.9864	0.2714	2.0763	ACCEPT	ACCEPT
OSMW-12P	.0529	.0352	0.0498	0.0296	ACCEPT	ACCEPT
OSMW-13P	.0510	.0688	0.0263	0.0000	ACCEPT	ACCEPT
OSMW-1D	1.0602	23.5751	0.0121	0.1780	ACCEPT	ACCEPT
OSMW-1P	0.0386	.0383	0.0232	0.0000	ACCEPT	ACCEPT
OSMW-1S	1.8189	54.1122	0.0000	2.7971	ACCEPT	ACCEPT
OSMW-2P	.1552	.8655	0.0525	0.5057	ACCEPT	ACCEPT
OSMW-3D	.0969	13.9650	0.0107	4.6979	ACCEPT	ACCEPT
OSMW-3S	0.0952	0.8117	0.0000	0.0154	ACCEPT	ACCEPT
OSMW-4D	.1902	1.2387	0.0172	0.1165	ACCEPT	ACCEPT
OSMW-4S	.1184	7.8398	0.0000	0.0352	ACCEPT	ACCEPT
OSMW-5D	.0225	4.0331	0.0000	3.3571	ACCEPT	ACCEPT
OSMW-5S	.0186	.1804	0.0303	0.2865	REJECT[2]	REJECT
OSMW-6D	.8025	3.8001	0.0515	4.1083	ACCEPT	REJECT
OSMW-6S	1.1900	2.0246	0.0213	0.1433	ACCEPT	ACCEPT
OSMW-7D	.0359	.1744	0.0000	0.1008	ACCEPT	ACCEPT
OSMW-8D	.0034	.6823	0.0042	0.9832	REJECT[2]	REJECT
OSMW-8S	.0268	1.3407	0.0960	0.0657	REJECT[2]	ACCEPT
OSMW-9D	.0359	.4657	0.0000	0.1920	ACCEPT	ACCEPT
OSMW-9S	.0327	6.9411	0.0000	1.8067	ACCEPT	ACCEPT
PMW-2D	.0021	.0359	0.0046	0.0000	REJECT[2]	ACCEPT
PMW-3D	3.1451	2.5338	0.0333	0.2591	ACCEPT	ACCEPT
PMW-3P	2.5478	4.0693	0.6836	1.8895	ACCEPT	ACCEPT
PMW-3S	2.3156	2.3051	0.0887	0.6412	ACCEPT	ACCEPT
PMW-4D	.0359	.1228	0.0000	0.0416	ACCEPT	ACCEPT
TMW-1D	.0359	.0093	0.0000	0.0000	ACCEPT	ACCEPT
TMW-1S	0.2465	10.57	0.0253	0.0224	ACCEPT	ACCEPT
TMW-2D	.0454	9.85	0.0000	9.9020	ACCEPT	REJECT
TMW-2S	.0039	.0254	0.0000	0.0000	ACCEPT	ACCEPT
AF-11D	0.0092	2.3875	0.0000	0.0276	ACCEPT	ACCEPT
AF-13P	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-13S	0.0359	0.0359	0.0000	0.1591	ACCEPT	REJECT[2]
AF-19D	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-19S	2.0047	3.6624	0.0000	0.1584	ACCEPT	ACCEPT
AF-4P	0.0359	0.0359	0.3629	0.8036	REJECT	REJECT
AF-6S	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
TMW-1P	3.1442	5.8024	1.8842	2.5176	ACCEPT	ACCEPT

Footnotes:

1. The methodology for calculating the upper tolerance limit (UTL) is included in the Performance Monitoring Plan.
2. The intrawell analysis for AF-13S (TCE Group), OSMW-5S (TCA Group), OSMW-8D (TCA Group), OSMW-8S (TCA Group), OSMW-11P (TCE Group) and PMW-2D (TCA Group) were triggered because the analysis compared the UTL values developed from non-detectable or low detections of baseline concentrations and is triggered by a slight increase in CVOCs and are not an indication of vertical or lateral cross-contamination.

Table 6

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Vertical Gradient Analysis - Perched to USG

PERCHED -USG STATS.	AF-4	AF-7	GM-9
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-1.25071E-05	-3.23069E-05	-0.000288413
Intercept	0.542648624	1.345956859	12.25275447
Standard Error of Estimates	0.002805083	0.003672844	1.34425E-10
X Variable Coefficient	-1.25071E-05	-3.23069E-05	-0.000288413
P-Value	0.761366809	0.553715374	1.14556E-77
Trend Analysis	No Significant Trend	No Significant Trend	Significant Negative Trend
Magnitude	0.006777695	0.011179937	0.022207803
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:
a positive trend indicates an increased downward vertical gradient
a negative trend indicates an increased upward vertical gradient

Table 6

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Vertical Gradient Analysis - Perched to USG

PERCHED -USG STATS.	OSMW-1	OSMW-10	PMW-3
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	0.000109304	7.75812E-06	2.28532E-05
Intercept	-4.629599046	-0.330971595	-0.968406953
Standard Error of Estimates	0.003424076	0.002453086	0.001992806
X Variable Coefficient	0.000109304	7.75812E-06	2.28532E-05
P-Value	0.063174329	0.829107912	0.444872215
Trend Analysis	No Significant Trend	No Significant Trend	No Significant Trend
Magnitude	0.011742049	0.006682948	0.005448357
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:
a positive trend indicates an increased downward vertical gradient
a negative trend indicates an increased upward vertical gradient

Table 7

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Vertical Gradient Analysis - USG to LSG

PERCHED -USG STATS.	AF-7	AF-9	AF-11
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-7.15253E-05	-7.97518E-05	3.23458E-07
Intercept	3.059756151	3.374041971	-0.012996523
Standard Error of Estimates	0.000597344	0.002118049	0.001662467
X Variable Coefficient	-7.15253E-05	-7.97518E-05	3.23458E-07
P-Value	0.000141738	0.03633013	0.989383266
Trend Analysis	Significant Negative Trend	Significant Negative Trend	No Significant Trend
Magnitude	0.005301982	0.008499083	0.004069947
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:
a positive trend indicates an increased downward vertical gradient
a negative trend indicates an increased upward vertical gradient

Table 7

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Vertical Gradient Analysis - USG to LSG

PERCHED -USG STATS.	AF-19	GM-9	OSMW-1
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-5.85508E-06	-6.03003E-05	-0.000170091
Intercept	0.254010675	2.597019758	7.238096517
Standard Error of Estimates	0.006831178	0	0.002227038
X Variable Coefficient	-5.85508E-06	-6.03003E-05	-0.000170091
P-Value	0.953262564	8.29944E-76	0.001595369
Trend Analysis	No Significant Trend	Significant Negative Trend	Significant Negative Trend
Magnitude	0.019174588	0.004643122	0.011083524
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:
a positive trend indicates an increased downward vertical gradient
a negative trend indicates an increased upward vertical gradient

Table 7

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Vertical Gradient Analysis - USG to LSG

PERCHED -USG STATS.	OSMW-3	OSMW-10	PMW-3
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-5.17032E-05	-1.51417E-05	-5.82849E-05
Intercept	2.19761147	0.664347183	2.492236667
Standard Error of Estimates	0.000253443	0.000612341	0.000526055
X Variable Coefficient	-5.17032E-05	-1.51417E-05	-5.82849E-05
P-Value	6.62932E-06	0.128400549	0.000218396
Trend Analysis	Significant Negative Trend	No Significant Trend	Significant Negative Trend
Magnitude	0.003968648	0.001885337	0.004149664
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:
a positive trend indicates an increased downward vertical gradient
a negative trend indicates an increased upward vertical gradient

Table 8

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Vertical Gradient Analysis - Perched to LSG

PERCHED -USG STATS.	AF-7	GM-9	OSMW-1
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-6.36425E-05	-0.000128482	-7.60326E-05
Intercept	2.715284632	5.483051165	3.242835822
Standard Error of Estimates	0.000813913	6.72124E-11	0.001185462
X Variable Coefficient	-6.36425E-05	-0.000128482	-7.60326E-05
P-Value	0.001414035	4.0147E-78	0.003801467
Trend Analysis	Significant Negative Trend	Significant Negative Trend	Significant Negative Trend
Magnitude	0.005089925	0.009893082	0.006947797
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:
a positive trend indicates an increased downward vertical gradient
a negative trend indicates an increased upward vertical gradient

Table 8

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Vertical Gradient Analysis - Perched to LSG

PERCHED -USG STATS.	OSMW-10	PMW-3
Is Slope Less than the Error?	YES	YES
Number of Data Points	8	8
Slope	-9.47919E-06	-3.70415E-05
Intercept	0.418231995	1.586177246
Standard Error of Estimates	0.000796874	0.000542071
X Variable Coefficient	-9.47919E-06	-3.70415E-05
P-Value	0.4289608	0.002790556
Trend Analysis	No Significant Trend	Significant Negative Trend
Magnitude	0.002415128	0.003597349
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring

Note:
a positive trend indicates an increased downward vertical gradient
a negative trend indicates an increased upward vertical gradient

Table 9

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	AF-4P		AF-4S		AF-7P		AF-7S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition?[1]	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.009027366	0.009027366	0.009259998	0.009259998	0.008680138	0.008680138	0.009200279	0.009200279
Intercept	157.2643217	157.2643217	147.1710573	147.1710573	169.7129496	169.7129496	148.0430442	148.0430442
Standard Error of Estimates	0.097472341	0.056869122	0.084860111	0.011578248	0.09466716	0.057190941	0.076121662	0.036902381
X Variable Coefficient		0.009027366		0.009259998		0.008680138		0.009200279
P-Value		2.85011E-05		1.95564E-09		3.68966E-05		2.03828E-06
Trend Analysis[2]	Significant Positive Trend		Significant Positive Trend		Significant Positive Trend		Significant Positive Trend	
Magnitude		0.707869067		0.710433139		0.68560603		0.702519946
Summary[3]	Increasing water levels		Increasing water levels		Increasing water levels		Increasing water levels	

Note: a positive trend indicates increasing groundwater elevations
a negative trend indicates decreasing groundwater elevations

1 Steady-state (stable) = slope less than error

2 Significant trend identified by $P \leq 0.05$ (95% confidence)

3 Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet; STABLE - Magnitude < 0.1 feet

Table 9

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	AF-7D		AF-9S		AF-9D		AF-11S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition?[1]	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.0137779	0.0137779	0.011628189	0.011628189	0.01384529	0.01384529	0.014570234	0.014570234
Intercept	-47.78134947	-47.78134947	42.97361742	42.97361742	-50.82474936	-50.82474936	-81.42355758	-81.42355758
Standard Error of Estimates	0.10233417	0.016930801	0.10450332	0.077860466	0.11479951	0.025030185	0.126711427	0.098786978
X Variable Coefficient		0.0137779		0.011628189		0.01384529		0.014570234
P-Value		1.76253E-09		4.04752E-05		1.77738E-08		4.34818E-05
Trend Analysis[2]	Significant Positive Trend		Significant Positive Trend		Significant Positive Trend		Significant Positive Trend	
Magnitude		1.041846791		0.78948259		1.025757095		0.970572685
Summary[3]	Increasing water levels		Increasing water levels		Increasing water levels		Increasing water levels	

Note: a positive trend indicates increasing groundwater
a negative trend indicates decreasing groundwate

1 Steady-state (stable) = slope less than error

2 Significant trend identified by $P \leq 0.05$ (95% confidence)

3 Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet; STAB

Table 9

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	AF-11D		AF-19S		AF-19D		GM-9P	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition?[1]	YES	YES	YES	YES	YES	YES	YES	N/A
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.014557684	0.014557684	0.012612487	0.012612487	0.012780528	0.012780528	0.002404573	0.002404573
Intercept	-80.9192925	-80.9192925	1.730362211	1.730362211	-5.559744175	-5.559744175	439.2827494	439.2827494
Standard Error of Estimates	0.137481486	0.054155885	0.093793659	0.065877276	0.198120625	0.205600064	0.052433738	0
X Variable Coefficient		0.014557684		0.012612487		0.012780528		0.002404573
P-Value		1.30629E-06		9.60846E-06		0.004416358		7.06947E-75
Trend Analysis[2]	Significant Positive Trend		Significant Positive Trend		Significant Positive Trend		Significant Positive Trend	
Magnitude		1.040655462		0.864711376		1.057609672		0.185152094
Summary[3]	Increasing water levels		Increasing water levels		Increasing water levels		Increasing water levels	

Note: a positive trend indicates increasing groundwater
a negative trend indicates decreasing groundwate

1 Steady-state (stable) = slope less than error

2 Significant trend identified by $P \leq 0.05$ (95% confidence)

3 Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet; STAB

Table 9

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	GM-9S		GM-9D		OSMW-1P		OSMW-1S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition?[1]	YES	N/A	YES	N/A	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.009413009	0.009413009	0.012850125	0.012850125	0.009084377	0.009084377	0.006865513	0.006865513
Intercept	141.5408159	141.5408159	-6.48931033	-6.48931033	152.9591103	152.9591103	246.939971	246.939971
Standard Error of Estimates	0.080697307	#NUM!	0.09873071	0	0.097749181	0.069568016	0.114626723	0.077693646
X Variable Coefficient		0.009413009		0.012850125		0.009084377		0.006865513
P-Value		4.77559E-98		3.03647E-79		8.69965E-05		0.000745885
Trend Analysis[2]	Significant Positive Trend		Significant Positive Trend		Significant Positive Trend		Significant Positive Trend	
Magnitude		0.724801703		0.989459635		0.764016034		0.598575521
Summary[3]	Increasing water levels		Increasing water levels		Increasing water levels		Increasing water levels	

Note: a positive trend indicates increasing groundwater
a negative trend indicates decreasing groundwate

1 Steady-state (stable) = slope less than error

2 Significant trend identified by $P \leq 0.05$ (95% confidence)

3 Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet; STAB

Table 9

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	OSMW-1D		OSMW-3S		OSMW-3D		OSMW-10P	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition?[1]	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.013669145	0.013669145	0.010704062	0.010704062	0.014685211	0.014685211	0.00933555	0.00933555
Intercept	-42.58388972	-42.58388972	82.82165699	82.82165699	-86.3944262	-86.3944262	141.9660597	141.9660597
Standard Error of Estimates	0.104614972	0.018561006	0.077768433	0.031329472	0.109553065	0.033243924	0.091891425	0.065459304
X Variable Coefficient		0.013669145		0.010704062		0.014685211		0.00933555
P-Value		3.2054E-09		3.14886E-07		6.81263E-08		5.27009E-05
Trend Analysis[2]	Significant Positive Trend		Significant Positive Trend		Significant Positive Trend		Significant Positive Trend	
Magnitude		1.041916488		0.78792871		1.093514627		0.774196092
Summary[3]	Increasing water levels		Increasing water levels		Increasing water levels		Increasing water levels	

Note: a positive trend indicates increasing groundwater
a negative trend indicates decreasing groundwate

1 Steady-state (stable) = slope less than error

2 Significant trend identified by $P \leq 0.05$ (95% confidence)

3 Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet; STAB

Table 9

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	OSMW-10S		OSMW-10D		PMW-3P		PMW-3S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition?[1]	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.009124529	0.009124529	0.01037826	0.01037826	0.00956249	0.00956249	0.008904317	0.008904317
Intercept	150.9684871	150.9684871	95.96054031	95.96054031	132.7993445	132.7993445	160.6894647	160.6894647
Standard Error of Estimates	0.090736753	0.055984889	0.099518465	0.077273425	0.085554307	0.05330305	0.086886346	0.039335146
X Variable Coefficient		0.009124529		0.01037826		0.00956249		0.008904317
P-Value		2.4477E-05		7.4182E-05		1.40345E-05		3.60003E-06
Trend Analysis[2]	Significant Positive Trend		Significant Positive Trend		Significant Positive Trend		Significant Positive Trend	
Magnitude		0.726691414		0.833938907		0.76555598		0.692786721
Summary[3]	Increasing water levels		Increasing water levels		Increasing water levels		Increasing water levels	

Note: a positive trend indicates increasing groundwater
a negative trend indicates decreasing groundwate

1 Steady-state (stable) = slope less than error

2 Significant trend identified by $P \leq 0.05$ (95% confidence)

3 Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet; STAB

Table 9

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Statistical Summary of Steady-State Analysis

Groundwater Level Statistics	PMW-3D	
	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition?[1]	YES	YES
Number of Data Points	8	8
Slope	0.013637053	0.013637053
Intercept	-41.68015264	-41.68015264
Standard Error of Estimates	0.10087517	0.020693958
X Variable Coefficient		0.013637053
P-Value		6.23509E-09
Trend Analysis[2]	Significant Positive Trend	
Magnitude		1.029739415
Summary[3]	Increasing water levels	

Note: a positive trend indicates increasing groundwater
a negative trend indicates decreasing groundwate

1 Steady-state (stable) = slope less than error

2 Significant trend identified by $P \leq 0.05$ (95% confidence)

3 Increasing/decreasing water levels if $P \leq 0.05$ and Magnitude > 0.1 feet; STAB

Table 10

GE OHD 008 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Analysis

EW-2P

Sample Date and Result

Chemical Data																						
1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group[4] µmol/L		TCE Group[4] µmol/L	
5/1/2015	100.0	5/1/2015	11.0	5/1/2015	4.5	no data		5/1/2015	15.0	10/17/2011	2.1	9/6/2011	2.8	5/1/2015	230.0	9/4/2012	9.7	5/1/2015	0.91	5/1/2015	1.9
6/1/2015	100.0	6/1/2015	11.0	6/1/2015	7.1	no data		6/1/2015	15.0	10/31/2011	2.6	9/26/2011	2.1	6/1/2015	220.0	10/1/2012	7.3	6/1/2015	0.93	6/1/2015	1.82
7/1/2015	96.0	7/1/2015	9.9	7/1/2015	3.0	no data		7/1/2015	13.0	11/28/2011	1.8	10/10/2011	2.1	7/1/2015	210.0	11/1/2012	6.1	7/1/2015	0.85	7/1/2015	1.75
8/3/2015	100.0	8/3/2015	10.0	8/3/2015	5.8	no data		8/3/2015	12.0	12/12/2011	2.0	10/17/2011	2.0	8/3/2015	210.0	12/3/2012	5.2	8/3/2015	0.91	8/3/2015	1.72
9/1/2015	100.0	9/1/2015	8.7	9/1/2015	7.4	no data		9/1/2015	11.0	4/2/2012	2.1	10/31/2011	1.9	9/1/2015	210.0	6/3/2013	4.6	9/1/2015	0.91	9/1/2015	1.7
10/1/2015	92.0	10/1/2015	9.4	10/1/2015	3.5	no data		10/1/2015	13.0	7/2/2012	2.2	11/28/2011	1.6	10/1/2015	200.0	7/1/2013	6.0	10/1/2015	0.82	10/1/2015	1.65
11/2/2015	100.0	11/2/2015	10.0	11/2/2015	9.4	no data		11/2/2015	15.0	5/1/2013	2.1	12/12/2011	1.6	11/2/2015	220.0	10/1/2013	7.9	11/2/2015	0.95	11/2/2015	1.82
12/1/2015	76.0	12/1/2015	8.4	12/1/2015	2.7	no data		12/1/2015	13.0	7/1/2015	1.3	7/1/2015	1.4	12/1/2015	180.0	8/1/2014	5.0	12/1/2015	0.68	12/1/2015	1.5

Chemical Statistics											
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group[4]	TCE Group[4]
Does the Well Satisfy a Steady State Condition?[1]	YES	YES	YES	#DIV/0!	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	0	8	8	8	8	8	8	8
Slope	-0.069	-0.010	0.001	#DIV/0!	-0.006	-0.001	-0.001	-0.147	-0.003	-0.001	-0.001
Intercept	3020.1680	435.1614	-37.1882	#DIV/0!	260.8020	26.3487	22.5285	6413.7211	136.4838	26.6546	52.4107
Standard Error of Estimates	7.129	0.619	2.597	#DIV/0!	1.556	0.268	0.391	11.174	1.679	0.080	0.091
X Variable Coefficient	-0.06925084	-0.01007179	0.00100900	Insufficient Data	-0.00585862	-0.00059124	-0.00050213	-0.14689287	-0.00314140	-0.00061051	-0.00119998
P-Value	0.102	0.018	0.941	Insufficient Data	0.483	0.036	0.156	0.040	0.285	0.180	0.039
Trend Analysis[2]	*No Significant Trend*	*Significant Negative Trend*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*Significant Negative Trend*	*No Significant Trend*	*Significant Negative Trend*	*No Significant Trend*	*No Significant Trend*	*Significant Negative Trend*
Trend Analysis Result[3]	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Evaluate System Optimization

Notes:

1 - Steady-state (stable) = slope less than error
2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloethane.
'DCA - Dichloroethane.
'DCE - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.

Table 10

GE OHD 008 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Analysis

EW-4P

Sample Date and Result

Chemical Data

1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group[4] µmol/L		TCE Group[4] µmol/L	
5/1/2015	110.0	5/1/2015	25.0	5/1/2015	8.9	no data		5/1/2015	26.0	no data		9/26/2011	1.5	5/1/2015	210.0	2/3/2015	5.5	5/1/2015	1.17	5/1/2015	1.92
6/1/2015	90.0	6/1/2015	23.0	6/1/2015	12.0	no data		6/1/2015	23.0	no data		10/10/2011	1.8	6/1/2015	190.0	3/2/2015	5.5	6/1/2015	1.03	6/1/2015	1.68
7/1/2015	93.0	7/1/2015	22.0	7/1/2015	7.0	no data		7/1/2015	23.0	no data		10/17/2011	1.9	7/1/2015	180.0	4/1/2015	4.3	7/1/2015	0.99	7/1/2015	1.67
8/3/2015	100.0	8/3/2015	26.0	8/3/2015	9.0	8/23/2011	0.87	8/3/2015	25.0	no data		10/31/2011	1.7	8/3/2015	200.0	5/1/2015	3.8	8/3/2015	1.11	8/3/2015	1.85
9/1/2015	95.0	9/1/2015	28.0	9/1/2015	9.0	9/26/2011	1.3	9/1/2015	27.0	10/31/2011	0.63	12/12/2011	1.4	9/1/2015	200.0	7/1/2015	3.0	9/1/2015	1.09	9/1/2015	1.88
10/1/2015	79.0	10/1/2015	22.0	10/1/2015	7.1	10/10/2011	1.1	10/1/2015	24.0	11/3/2014	0.89	8/1/2014	17.0	10/1/2015	170.0	8/3/2015	4.5	10/1/2015	0.89	10/1/2015	1.54
11/2/2015	94.0	11/2/2015	23.0	11/2/2015	12.0	10/17/2011	1.4	11/2/2015	25.0	7/1/2015	0.87	9/2/2014	29.0	11/2/2015	200.0	9/1/2015	5.6	11/2/2015	1.06	11/2/2015	1.84
12/1/2015	74.0	12/1/2015	22.0	12/1/2015	5.9	3/5/2012	4.7	12/1/2015	23.0	11/2/2015	1.4	7/1/2015	1.1	12/1/2015	160.0	11/2/2015	3.6	12/1/2015	0.84	12/1/2015	1.45

Chemical Statistics

	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group[4]	TCE Group[4]
Does the Well Satisfy a Steady State Condition?[1]	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	5	8	4	8	8	8	8	8
Slope	-0.108	-0.007	-0.008	0.021	-0.002	0.000	0.010	-0.127	-0.004	-0.001	-0.001
Intercept	4638.0475	328.5447	340.7901	-847.8849	119.3795	-14.5373	-415.4012	5539.2570	174.1803	41.6023	47.5883
Standard Error of Estimates	8.583	2.339	2.333	0.357	1.623	0.256	9.147	15.571	0.980	0.092	0.164
X Variable Coefficient	-0.10764512	-0.00721403	-0.00785944	Insufficient Data	-0.00224657	Insufficient Data	0.01023418	-0.12669030	-0.00402516	-0.00096088	-0.00108591
P-Value	0.047	0.563	0.528	Insufficient Data	0.793	Insufficient Data	0.129	0.157	0.340	0.084	0.237
Trend Analysis[2]	*Significant Negative Trend*	*No Significant Trend*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*
Trend Analysis Result[3]	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping

Notes:

1 - Steady-state (stable) = slope less than error
2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloethane.
'DCA - Dichloroethane.
'DCE - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.

Table 10

GE OHD 008 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Analysis

EW-5P

Sample Date and Result

Chemical Data

1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group[4] µmol/L		TCE Group[4] µmol/L	
5/1/2015	99.0	5/1/2015	24.0	5/1/2015	7.9	10/17/2011	4.9	5/1/2015	25.0	8/23/2011	0.51	9/6/2011	2.2	5/1/2015	200.0	1/2/2014	8.8	5/1/2015	1.07	5/1/2015	1.77
6/1/2015	100.0	6/1/2015	26.0	6/1/2015	13.0	10/31/2011	3.0	6/1/2015	26.0	9/6/2011	0.47	9/26/2011	1.8	6/1/2015	210.0	2/3/2014	5.7	6/1/2015	1.15	6/1/2015	1.86
7/1/2015	89.0	7/1/2015	22.0	7/1/2015	6.3	11/14/2011	5.1	7/1/2015	23.0	10/10/2011	0.48	10/10/2011	1.6	7/1/2015	180.0	4/1/2014	3.8	7/1/2015	0.95	7/1/2015	1.66
8/3/2015	100.0	8/3/2015	25.0	8/3/2015	9.5	11/28/2011	5.0	8/3/2015	25.0	10/17/2011	0.47	10/17/2011	1.6	8/3/2015	200.0	12/1/2014	6.3	8/3/2015	1.1	8/3/2015	1.77
9/1/2015	98.0	9/1/2015	23.0	9/1/2015	8.9	12/12/2011	4.6	9/1/2015	23.0	10/31/2011	0.9	10/31/2011	1.5	9/1/2015	180.0	2/3/2015	5.9	9/1/2015	1.06	9/1/2015	1.6
10/1/2015	94.0	10/1/2015	24.0	10/1/2015	7.4	1/16/2012	8.5	10/1/2015	26.0	12/12/2011	0.61	12/12/2011	1.1	10/1/2015	190.0	4/1/2015	5.0	10/1/2015	1.02	10/1/2015	1.71
11/2/2015	99.0	11/2/2015	25.0	11/2/2015	14.0	2/7/2012	8.0	11/2/2015	27.0	7/2/2012	0.77	4/1/2014	28.0	11/2/2015	210.0	7/1/2015	2.9	11/2/2015	1.14	11/2/2015	1.94
12/1/2015	67.0	12/1/2015	19.0	12/1/2015	5.2	5/1/2012	2.3	12/1/2015	22.0	7/1/2015	0.83	7/1/2015	1.1	12/1/2015	140.0	11/2/2015	4.6	12/1/2015	0.75	12/1/2015	1.29

Chemical Statistics

	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group[4]	TCE Group[4]
Does the Well Satisfy a Steady State Condition?[1]	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8	8	8	8
Slope	-0.083	-0.014	-0.004	-0.001	-0.003	0.000	0.008	-0.157	-0.004	-0.001	-0.001
Intercept	3597.6755	605.9618	181.1420	26.4504	167.4263	-7.6999	-314.6649	6836.8721	164.6423	34.9602	50.5867
Standard Error of Estimates	10.133	2.102	3.319	2.326	1.890	0.161	9.050	21.255	1.635	0.124	0.193
X Variable Coefficient	-0.08297844	-0.01379164	-0.00407542	-0.00052017	-0.00338128	0.00020302	0.00777165	-0.15741547	-0.00379603	-0.00080342	-0.00115751
P-Value	0.155	0.240	0.816	0.971	0.735	0.162	0.269	0.192	0.177	0.246	0.279
Trend Analysis[2]	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping

Notes:

1 - Steady-state (stable) = slope less than error
2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloethane.
'DCA - Dichloroethane.
'DCE - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.

Table 10

GE OHD 008 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Analysis

EW-6P

Sample Date and Result

Chemical Data

1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group[4] µmol/L		TCE Group[4] µmol/L	
5/1/2015	31.0	5/1/2015	5.4	4/1/2015	3.8	no data		5/1/2015	9.3	1/2/2015	1.1	9/6/2011	1.8	5/1/2015	96.0	2/3/2015	1.9	5/1/2015	0.3	5/1/2015	0.87
6/1/2015	37.0	6/1/2015	5.6	5/1/2015	1.2	no data		6/1/2015	10.0	2/3/2015	1.1	9/26/2011	1.5	6/1/2015	120.0	3/2/2015	12.0	6/1/2015	0.36	6/1/2015	1.05
7/1/2015	35.0	7/1/2015	5.4	6/1/2015	2.7	no data		7/1/2015	10.0	3/2/2015	1.1	10/10/2011	1.6	7/1/2015	110.0	4/1/2015	2.0	7/1/2015	0.33	7/1/2015	1.0
8/3/2015	39.0	8/3/2015	6.6	7/1/2015	0.96	no data		8/3/2015	12.0	4/1/2015	1.1	10/31/2011	1.8	8/3/2015	120.0	5/1/2015	2.4	8/3/2015	0.38	8/3/2015	1.03
9/1/2015	38.0	9/1/2015	5.4	8/3/2015	2.0	no data		9/1/2015	10.0	5/1/2015	0.95	12/12/2011	1.6	9/1/2015	110.0	6/1/2015	2.1	9/1/2015	0.36	9/1/2015	0.94
10/1/2015	36.0	10/1/2015	5.4	9/1/2015	2.3	no data		10/1/2015	11.0	7/1/2015	1.1	4/1/2013	1.5	10/1/2015	130.0	7/1/2015	2.8	10/1/2015	0.32	10/1/2015	1.1
11/2/2015	36.0	11/2/2015	5.9	11/2/2015	2.7	no data		11/2/2015	11.0	11/2/2015	1.1	7/1/2015	1.4	11/2/2015	120.0	11/2/2015	2.8	11/2/2015	0.36	11/2/2015	1.09
12/1/2015	28.0	12/1/2015	5.2	12/1/2015	0.71	no data		12/1/2015	10.0	12/1/2015	0.91	11/2/2015	1.8	12/1/2015	97.0	12/1/2015	2.5	12/1/2015	0.27	12/1/2015	0.88

Chemical Statistics

	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group[4]	TCE Group[4]
Does the Well Satisfy a Steady State Condition?[1]	YES	YES	YES	#DIV/0!	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	0	8	8	8	8	8	8	8
Slope	-0.009	0.000	-0.005	#DIV/0!	0.004	0.000	0.000	0.023	-0.009	0.000	0.000
Intercept	413.4558	20.8924	193.7430	#DIV/0!	-172.5497	14.3755	3.2795	-852.0920	390.5167	4.3015	-8.0554
Standard Error of Estimates	3.933	0.484	1.049	#DIV/0!	0.855	0.075	0.169	12.769	3.537	0.040	0.095
X Variable Coefficient	-0.00896115	-0.00036180	-0.00454149	Insufficient Data	0.00433221	-0.00031600	-0.00004010	0.02284867	-0.00917723	-0.00009391	0.00021430
P-Value	0.667	0.887	0.361	Insufficient Data	0.353	0.217	0.700	0.734	0.479	0.654	0.671
Trend Analysis[2]	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping

Notes:

1 - Steady-state (stable) = slope less than error
2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
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4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloethane.
'DCA - Dichloroethane.
'DCE - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.

Table 10

GE OHD 008 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Analysis

EW-7S

Sample Date and Result

Chemical Data																				
1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group[4] µmol/L		TCE Group[4] µmol/L	
no data		4/1/2014	0.99	6/3/2013	0.37	no data		3/2/2015	150.0	no data		no data		no data		3/2/2015	320.0	4/1/2014	0.01	3/2/2015	6.67
no data		5/1/2014	0.83	10/1/2013	0.45	no data		4/1/2015	140.0	no data		no data		no data		4/1/2015	170.0	5/1/2014	0.01	4/1/2015	4.16
no data		6/2/2014	0.89	12/2/2013	0.69	no data		5/1/2015	170.0	no data		no data		no data		5/1/2015	230.0	6/2/2014	0.01	5/1/2015	5.43
no data		7/1/2014	0.88	2/3/2014	0.39	no data		6/1/2015	180.0	no data		no data		no data		6/1/2015	240.0	7/1/2014	0.01	6/1/2015	5.7
no data		9/2/2014	0.87	5/1/2014	0.35	no data		7/1/2015	170.0	no data		no data		no data		7/1/2015	270.0	9/2/2014	0.01	7/1/2015	6.07
no data		11/3/2014	1.4	7/1/2014	0.3	no data		8/3/2015	160.0	no data		no data		no data		8/3/2015	200.0	11/3/2014	0.01	8/3/2015	4.85
no data		12/1/2014	1.2	12/1/2014	0.32	no data		8/24/2015	210.0	no data		no data		no data		8/24/2015	300.0	12/1/2014	0.02	8/24/2015	6.97
no data		7/1/2015	1.2	7/1/2015	0.46	no data		10/1/2015	200.0	no data		12/12/2011	1.3	no data		10/1/2015	210.0	4/1/2015	0.02	10/1/2015	5.42

Chemical Statistics	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group[4]	TCE Group[4]
Does the Well Satisfy a Steady State Condition?[1]	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	#DIV/0!	#DIV/0!	YES	YES	YES
Number of Data Points	0	8	8	0	8	0	1	0	8	8	8
Slope	#DIV/0!	0.001	0.000	#DIV/0!	0.256	#DIV/0!	#DIV/0!	#DIV/0!	-0.085	0.000	0.001
Intercept	#DIV/0!	-37.6631	4.3999	#DIV/0!	-10622.5250	#DIV/0!	#DIV/0!	#DIV/0!	3831.7262	-0.7965	-48.2575
Standard Error of Estimates	#DIV/0!	0.169	0.132	#DIV/0!	15.578	#DIV/0!	#DIV/0!	#DIV/0!	54.885	0.002	0.986
X Variable Coefficient	Insufficient Data	0.00092381	-0.00009542	Insufficient Data	0.25598293	Insufficient Data	Insufficient Data	Insufficient Data	-0.08511149	0.00001931	0.00127853
P-Value	Insufficient Data	0.076	0.657	Insufficient Data	0.018	Insufficient Data	Insufficient Data	Insufficient Data	0.772	0.017	0.809
Trend Analysis[2]	*Insufficient Data*	*No Significant Trend*	*No Significant Trend*	*Insufficient Data*	*Significant Positive Trend*	*Insufficient Data*	*Insufficient Data*	*Insufficient Data*	*No Significant Trend*	*Significant Positive Trend*	*No Significant Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping

Notes:

1 - Steady-state (stable) = slope less than error
2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloethane.
'DCA - Dichloroethane.
'DCE - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.

Table 10

GE OHD 008 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Analysis

EW-3D

Sample Date and Result

Chemical Data	1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L		cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L		Vinyl Chloride µg/L		TCA Group[4] µmol/L		TCE Group[4] µmol/L	
	no data		no data		no data		no data		5/1/2015	160.0	no data		5/1/2015	31.0	5/1/2015	220.0	12/1/2014	3.9	no data		5/1/2015	3.7
	no data		9/26/2011	2.4	no data		no data		6/1/2015	150.0	no data		6/1/2015	30.0	6/1/2015	210.0	1/2/2015	3.8	9/26/2011	0.03	6/1/2015	3.51
	no data		10/10/2011	1.9	no data		no data		7/1/2015	150.0	no data		7/1/2015	28.0	7/1/2015	200.0	2/3/2015	4.0	10/10/2011	0.03	7/1/2015	3.42
	no data		10/17/2011	1.7	9/26/2011	1.0	no data		8/3/2015	150.0	no data		8/3/2015	28.0	8/3/2015	210.0	5/1/2015	4.0	10/17/2011	0.02	8/3/2015	3.43
	no data		10/31/2011	1.6	10/10/2011	0.85	no data		9/1/2015	160.0	no data		9/1/2015	31.0	9/1/2015	220.0	6/1/2015	3.7	10/31/2011	0.02	9/1/2015	3.7
	no data		11/28/2011	1.6	10/17/2011	0.66	no data		10/1/2015	150.0	no data		10/1/2015	27.0	10/1/2015	200.0	7/1/2015	4.1	11/28/2011	0.02	10/1/2015	3.34
	no data		12/12/2011	1.4	10/31/2011	0.77	no data		11/2/2015	150.0	no data		11/2/2015	27.0	11/2/2015	210.0	9/1/2015	4.0	12/12/2011	0.02	11/2/2015	3.48
	no data		7/1/2015	0.83	12/12/2011	0.55	no data		12/1/2015	140.0	10/31/2011	0.41	12/1/2015	23.0	12/1/2015	180.0	11/2/2015	4.0	7/1/2015	0.01	12/1/2015	3.05

Chemical Statistics	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group[4]	TCE Group[4]
Does the Well Satisfy a Steady State Condition?[1]	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	YES	YES	YES	YES	YES
Number of Data Points	0	7	5	0	8	1	8	8	8	7	8
Slope	#DIV/0!	-0.001	-0.005	#DIV/0!	-0.050	#DIV/0!	-0.028	-0.104	0.000	0.000	-0.002
Intercept	#DIV/0!	31.4240	207.2804	#DIV/0!	2279.9443	#DIV/0!	1190.4683	4601.2707	-12.5080	0.5351	79.8628
Standard Error of Estimates	#DIV/0!	0.332	0.102	#DIV/0!	5.588	#DIV/0!	1.780	11.259	0.132	0.006	0.173
X Variable Coefficient	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	-0.05040361	Insufficient Data	-0.02752218	-0.10406610	0.00039035	Insufficient Data	-0.00180925
P-Value	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	0.124	Insufficient Data	0.022	0.116	0.388	Insufficient Data	0.082
Trend Analysis[2]	*Insufficient Data*	*Insufficient Data*	*Insufficient Data*	*Insufficient Data*	*No Significant Trend*	*Insufficient Data*	*Significant Negative Trend*	*No Significant Trend*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping

Notes:

1 - Steady-state (stable) = slope less than error
2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
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4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

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'TCA' - Trichloethane.
'DCA - Dichloroethane.
'DCE - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.

Table 10

GE OHD 008 817 312
GE Aviation Evendale, Ohio - Groundwater IRM
Summary of Extraction Well Influent Chemical Statistical Analysis

EW-8D

Sample Date and Result

Chemical Data	1,1,1-TCA µg/L	1,1-DCA µg/L	1,1-DCE µg/L	Chloroethane µg/L	cis-1,2-DCE µg/L	PCE µg/L	trans-1,2-DCE µg/L	TCE µg/L	Vinyl Chloride µg/L	TCA Group[4] µmol/L	TCE Group[4] µmol/L
	no data	5/1/2015 1.3	no data	no data	5/1/2015 4.8	no data	5/1/2015 2.2	no data	5/1/2015 6.4	5/1/2015 0.01	5/1/2015 0.17
	no data	6/1/2015 1.2	no data	no data	6/1/2015 4.8	no data	6/1/2015 1.9	no data	6/1/2015 5.8	6/1/2015 0.01	6/1/2015 0.16
	no data	7/1/2015 1.1	9/26/2011 0.46	no data	7/1/2015 4.6	no data	7/1/2015 2.0	no data	7/1/2015 5.9	7/1/2015 0.01	7/1/2015 0.16
	no data	8/3/2015 1.2	10/17/2011 0.53	no data	8/3/2015 4.8	no data	8/3/2015 1.9	no data	8/3/2015 5.9	8/3/2015 0.01	8/3/2015 0.16
	no data	8/24/2015 1.3	10/31/2011 0.43	no data	8/24/2015 4.9	no data	8/24/2015 1.8	no data	8/24/2015 6.7	8/24/2015 0.01	8/24/2015 0.18
	no data	10/1/2015 1.2	11/14/2011 0.43	no data	10/1/2015 4.5	no data	10/1/2015 1.6	no data	10/1/2015 4.2	10/1/2015 0.01	10/1/2015 0.13
	no data	11/2/2015 1.1	4/2/2012 0.7	no data	11/2/2015 4.7	no data	11/2/2015 1.8	no data	11/2/2015 6.7	11/2/2015 0.01	11/2/2015 0.17
	no data	12/1/2015 1.2	5/1/2012 0.42	12/1/2015 0.37	12/1/2015 5.0	no data	12/1/2015 1.9	no data	12/1/2015 6.3	12/1/2015 0.02	12/1/2015 0.17

Chemical Statistics	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group[4]	TCE Group[4]
Does the Well Satisfy a Steady State Condition?[1]	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	YES	#DIV/0!	YES	YES	YES
Number of Data Points	0	8	6	1	8	0	8	0	8	8	8
Slope	#DIV/0!	0.000	0.000	#DIV/0!	0.000	#DIV/0!	-0.002	#DIV/0!	0.000	0.000	0.000
Intercept	#DIV/0!	15.3159	-16.0565	#DIV/0!	-5.6620	#DIV/0!	65.5577	#DIV/0!	19.1457	-0.5076	0.9241
Standard Error of Estimates	#DIV/0!	0.077	0.113	#DIV/0!	0.171	#DIV/0!	0.141	#DIV/0!	0.868	0.002	0.016
X Variable Coefficient	Insufficient Data	-0.00033425	Insufficient Data	Insufficient Data	0.00024684	Insufficient Data	-0.00150763	Insufficient Data	-0.00031157	0.00001232	-0.00001799
P-Value	Insufficient Data	0.423	Insufficient Data	Insufficient Data	0.785	Insufficient Data	0.079	Insufficient Data	0.946	0.293	0.833
Trend Analysis[2]	*Insufficient Data*	*No Significant Trend*	*Insufficient Data*	*Insufficient Data*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping

Notes:

1 - Steady-state (stable) = slope less than error
2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
3 - Analysis result determined by the P value. If the P<0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
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5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

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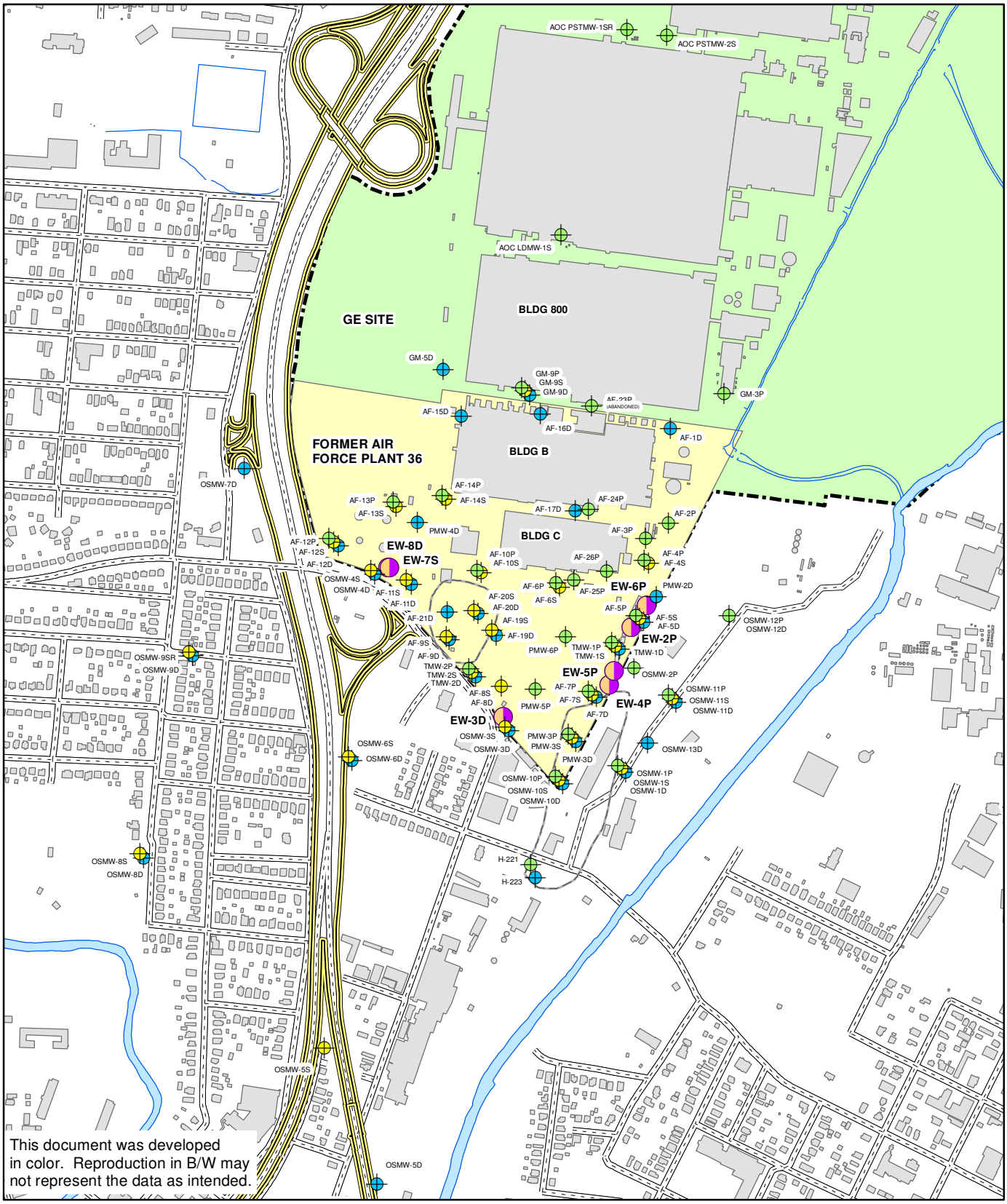
'DCA - Dichloroethane.
'DCE - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.

Figures

FIGURE 1



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I:\Ge-Cep.612\60968.Evendale-Rcra-A\Docs\Reports\4th Qtr Report 2015\Figures\001 - Figure 1 - GW Mon Loc - 4th Qtr 2015.mxd

PLOTDATE: 02/12/16 oneilljm

GE
EVENDALE, OHIO

LEGEND

- PERCHED MONITORING WELL LOCATION
- USG MONITORING WELL LOCATION
- LSG MONITORING WELL LOCATION
- EXTRACTION WELL

GROUNDWATER IRM MONITORING LOCATIONS

N

0 420 840 1,260 1,680
Feet

December 2015
DOC/4th Qtr/001

O'BRIEN & GERE

FIGURE 2

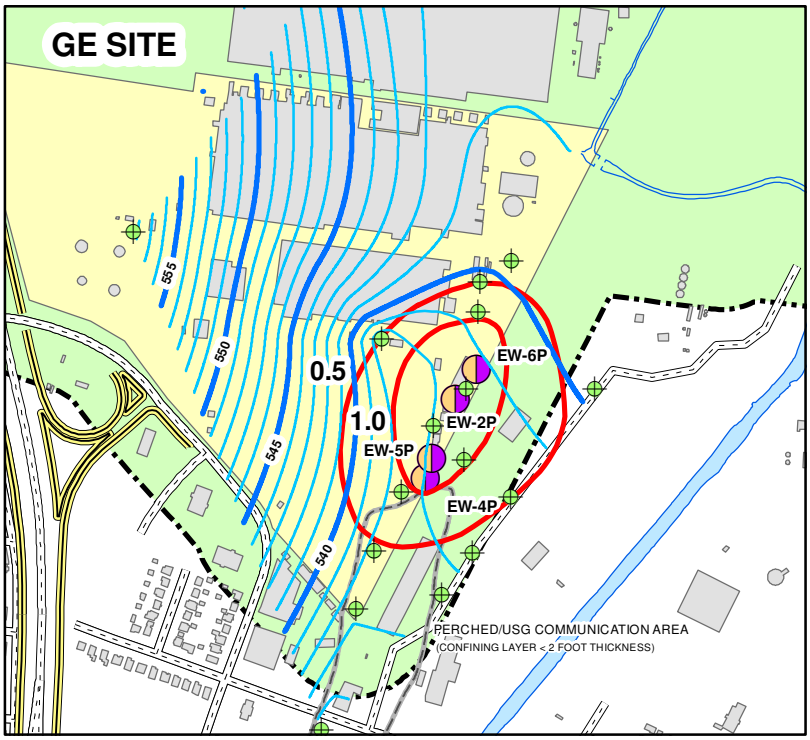
Perched Zone

Approximate Drawdown (ft)
December 1, 2015

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

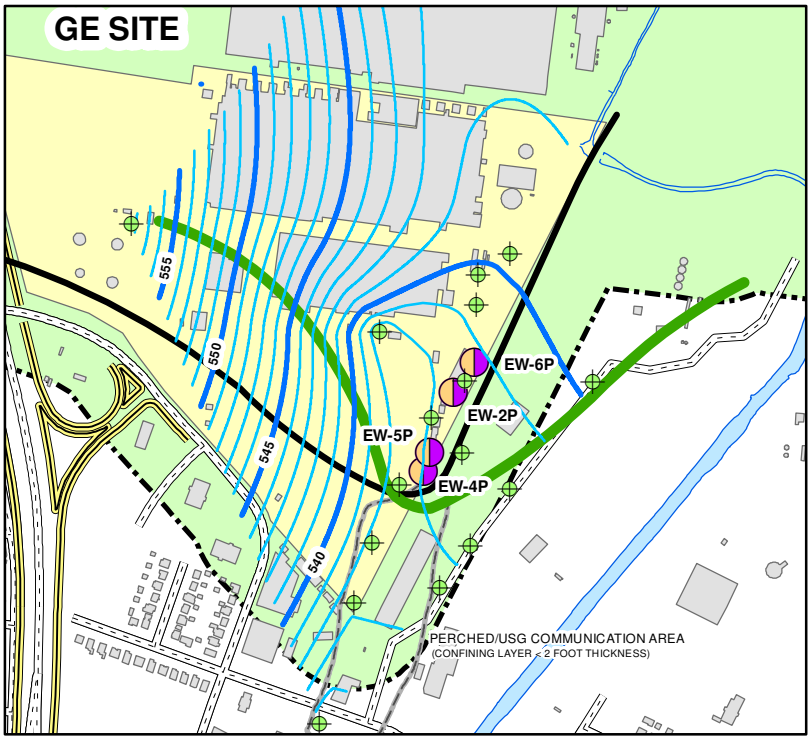


Perched Zone

Design Capture Zone (320 gpm)

Apparent Capture Zone (128 gpm) 4th Qtr 2015

Groundwater Contour (feet)



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EVENDALE, OHIO

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PERCHED ZONE ESTIMATED DRAWDOWN AND CAPTURE ZONE

December 2015
60968.002

O'BRIEN & GERE

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PLOTDATE: 2/11/2016 oneiljm

FIGURE 3

I:\Ge-Cep.612\60968.Evendale-Rcra-A\Docs\Reports\4th Qtr Report 2015\Figures\003 - Figure 3 - USG - 4th Qtr 2015.mxd

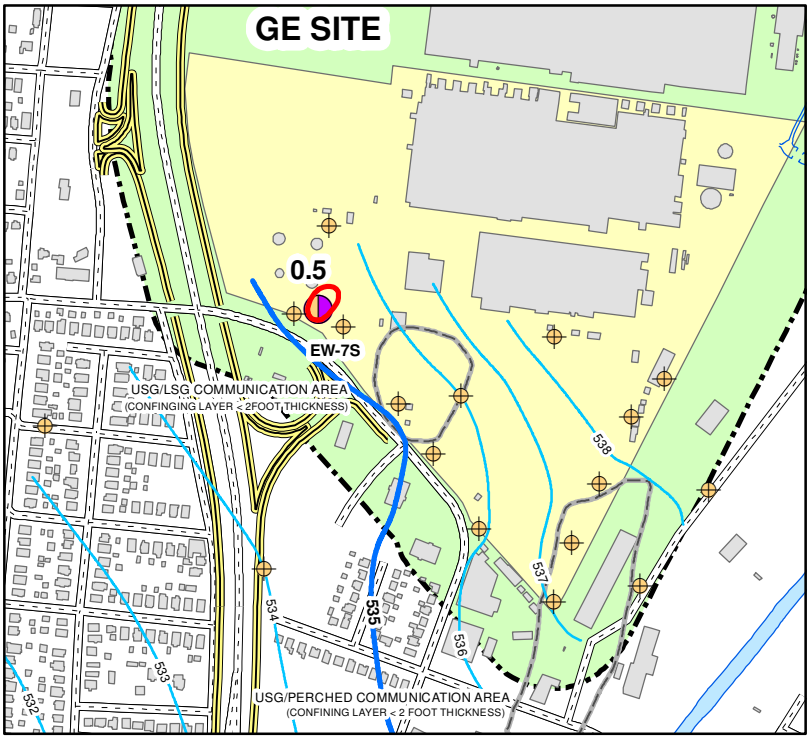
USG Zone

Approximate Drawdown (ft)
December 1, 2015

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

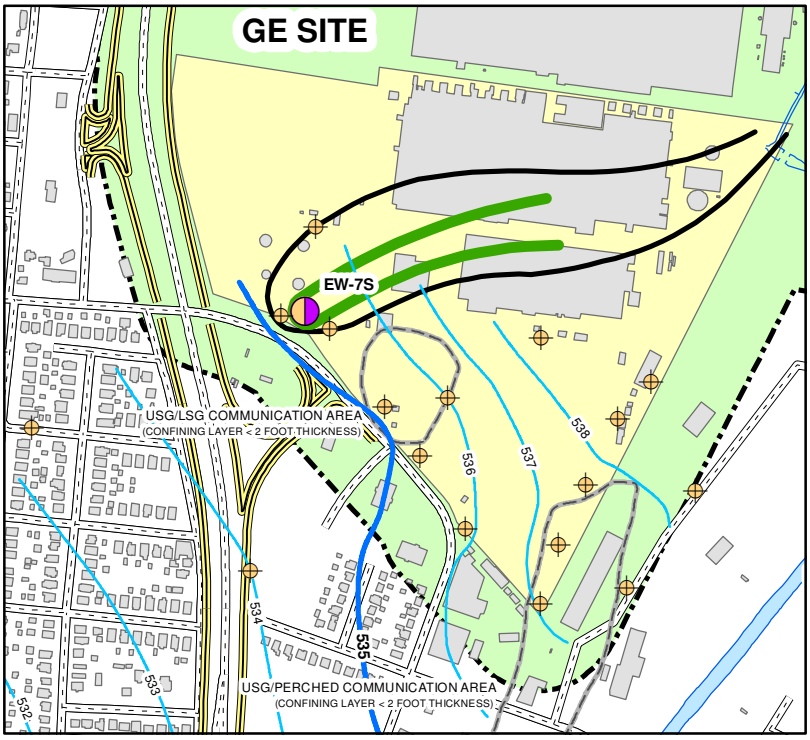


USG Zone

Design Capture Zone (80 gpm)

Apparent Capture Zone (2 gpm) 4th Qtr 2015

Groundwater Contour (feet)



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GE
EVENDALE, OHIO

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USG
ESTIMATED DRAWDOWN AND CAPTURE ZONE

December 2015
60698.003

O'BRIEN & GERE

FIGURE 4

I:\Ge-Cep.612\60968.Evendale-Rcra-A\Docs\Reports\4th Qtr Report 2015\Figures\004 - Figure 4 - LSG - 4th Qtr 2015.mxd

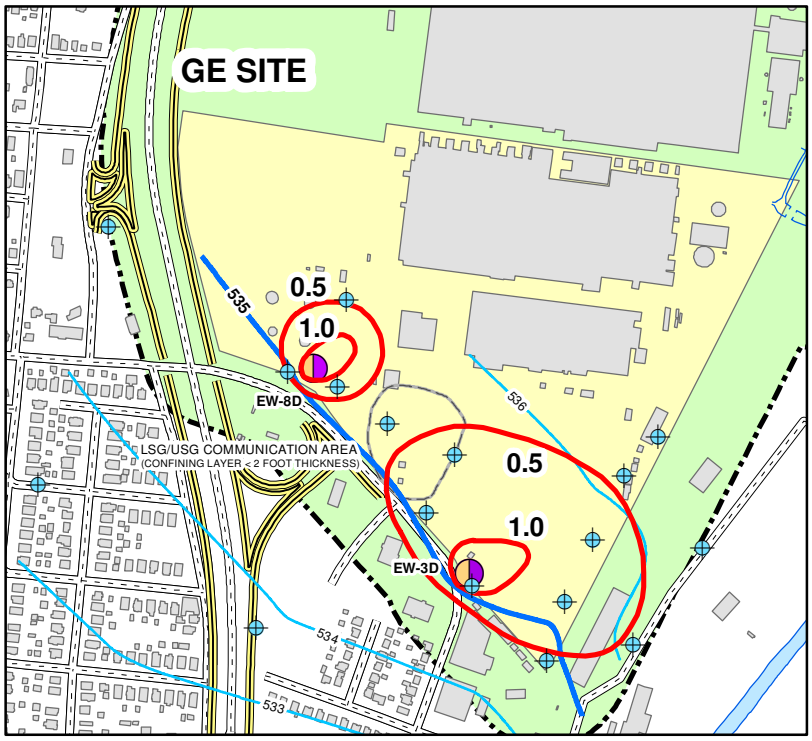
LSG Zone

Approximate Drawdown (ft)
December 1, 2015

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

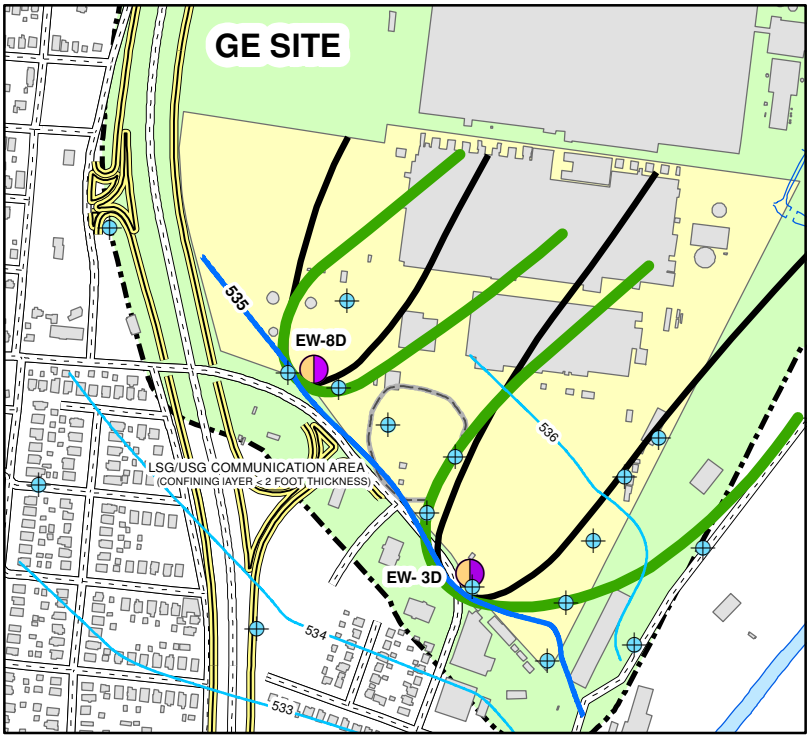


LSG Zone

Design Capture Zone (160 gpm)

Apparent Capture Zone (65 gpm)
4th Qtr 2015

Groundwater Contour (feet)



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GE
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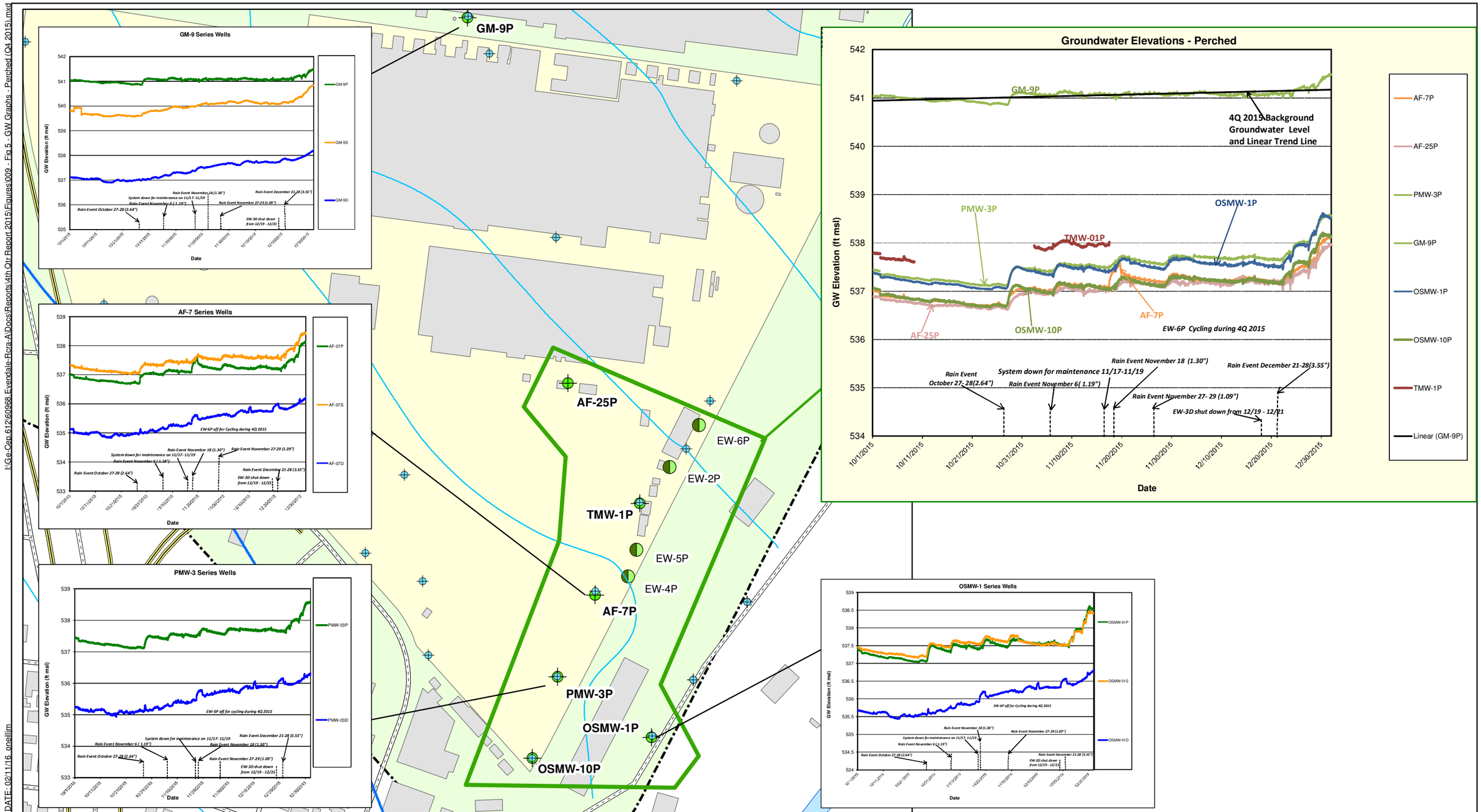
LSG
ESTIMATED DRAWDOWN AND CAPTURE ZONES

December 2015
60698.004

O'BRIEN & GERE

FIGURE 5



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LEGEND

- PERCHED MONITORING WELL
- PERCHED EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

GROUNDWATER ELEVATION HYDROGRAPHS PERCHED ZONE

2015 4th QUARTER

O'BRIEN & GERE

December 2015
612/60968-009

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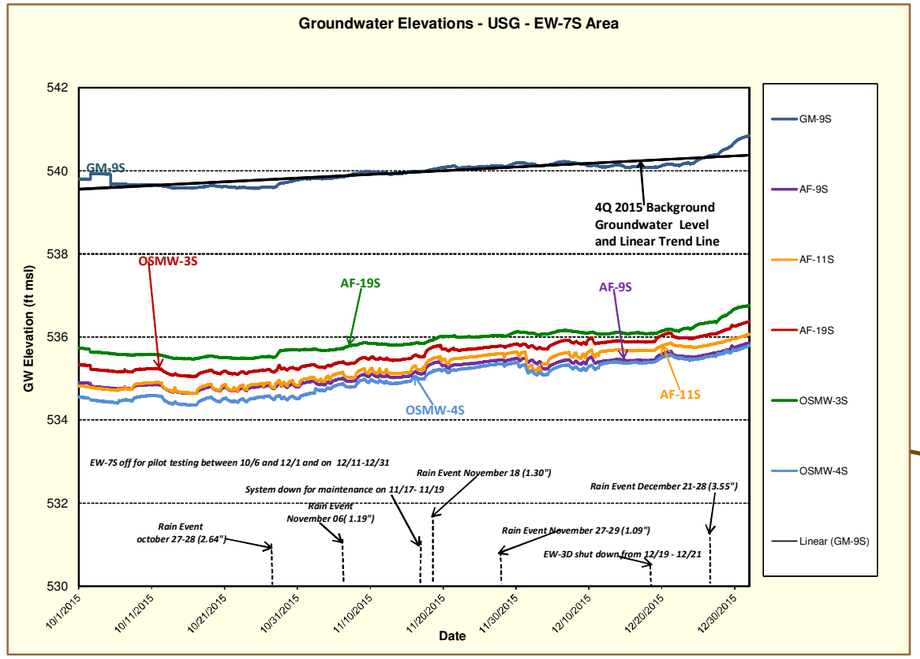
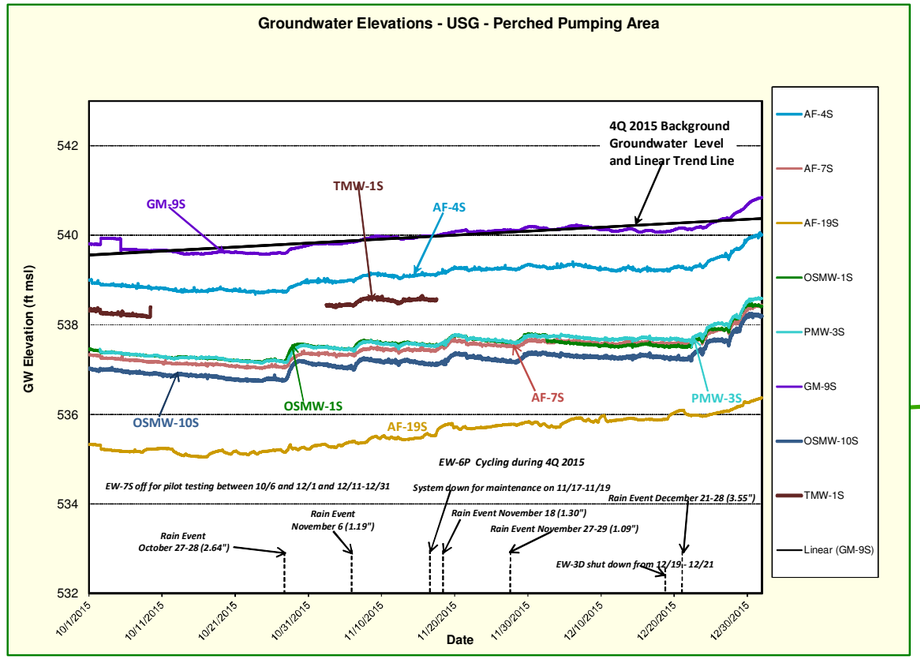
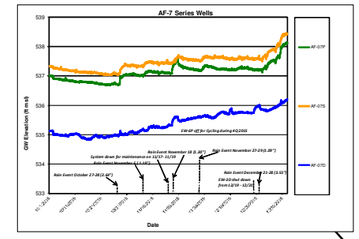
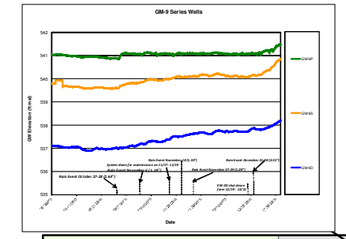
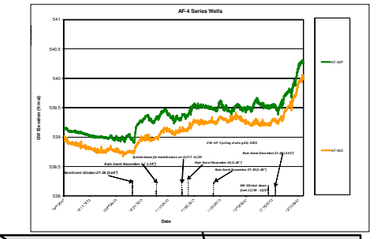
FIGURE 6

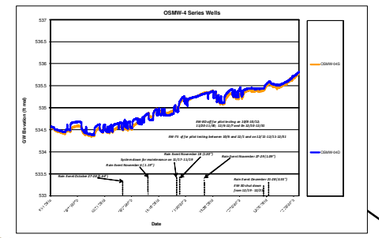


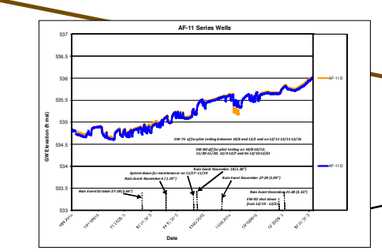


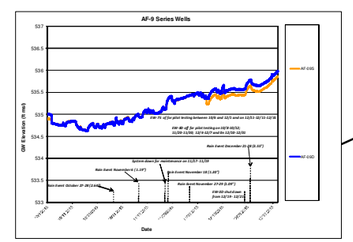


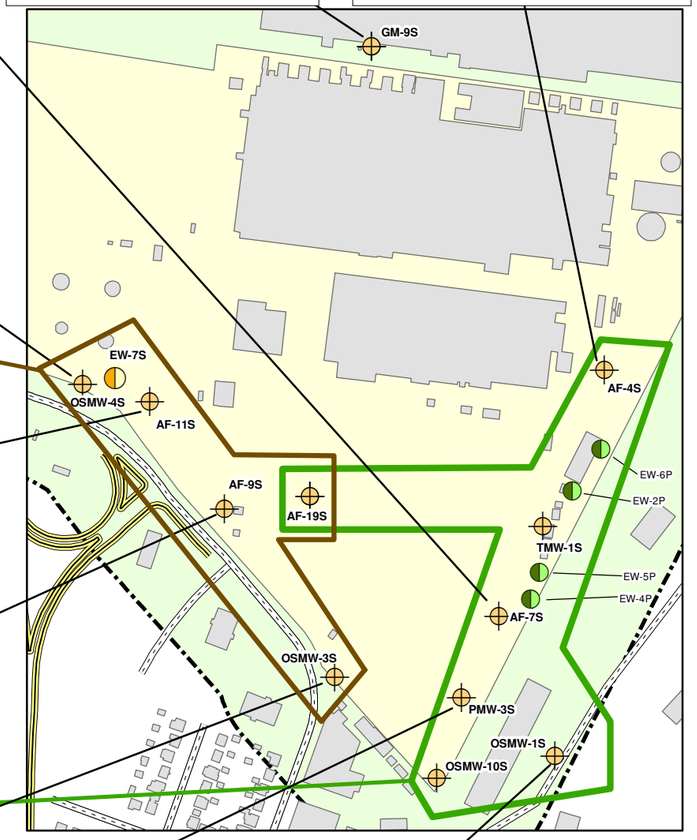


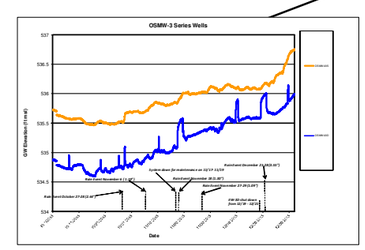


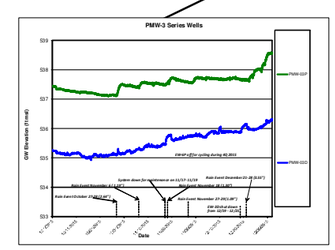


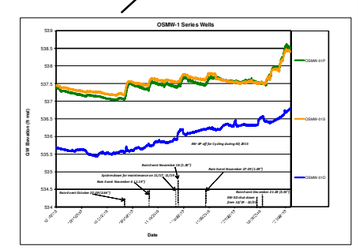












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LEGEND

- USG MONITORING WELL
- USG EXTRACTION WELL
- PERCHED EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

GROUNDWATER ELEVATION HYDROGRAPHS USG

2015 4th QUARTER

O'BRIEN & GERE

December 2015
612/60698-010

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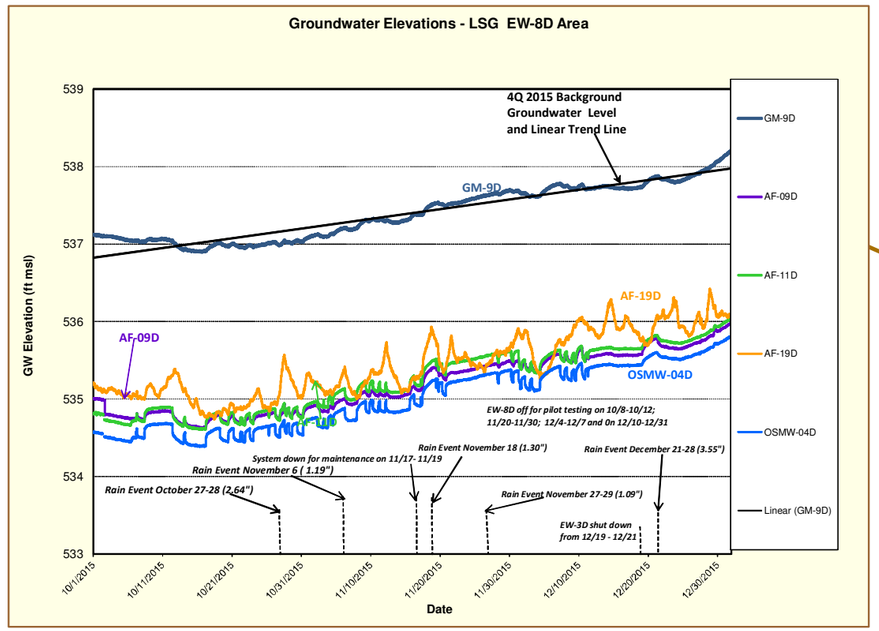
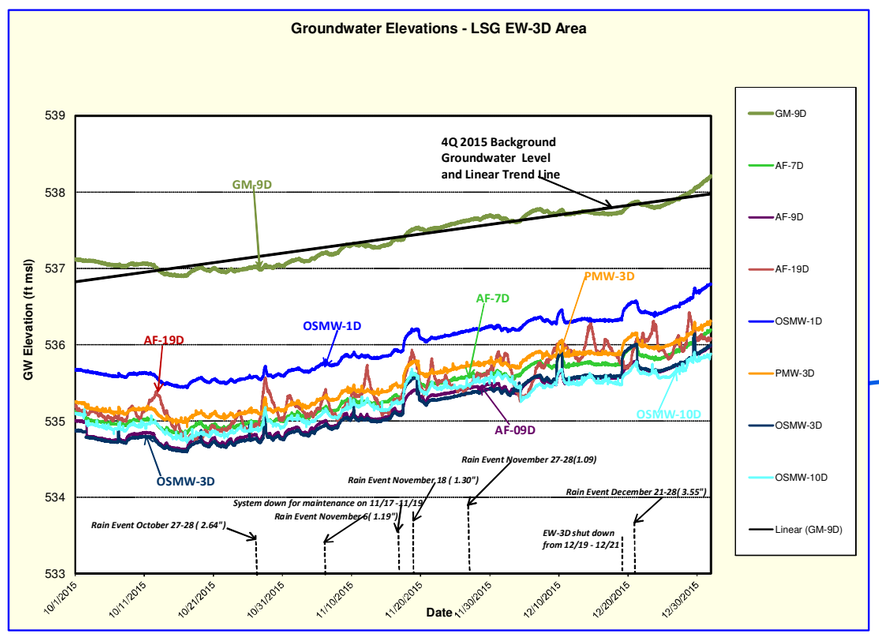
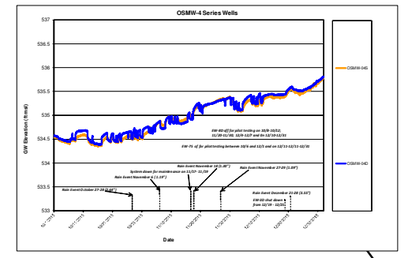
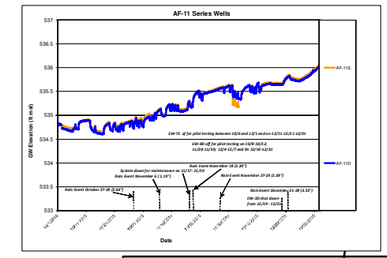
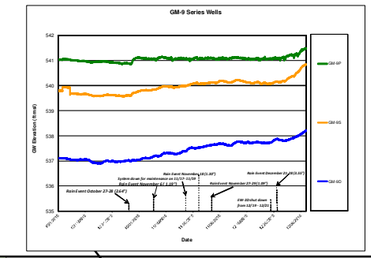
FIGURE 7

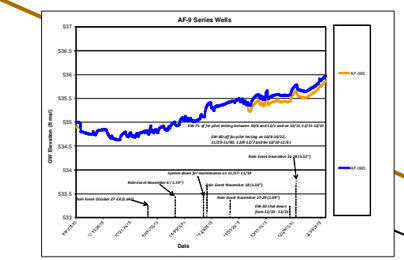


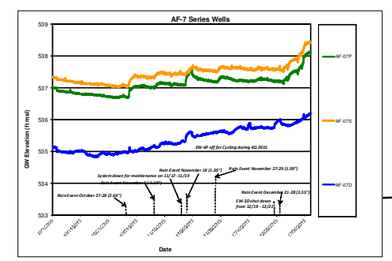


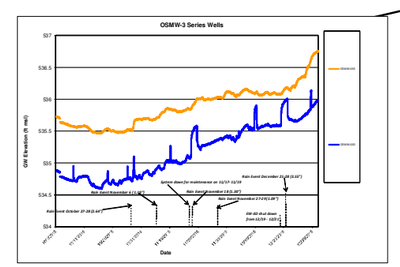


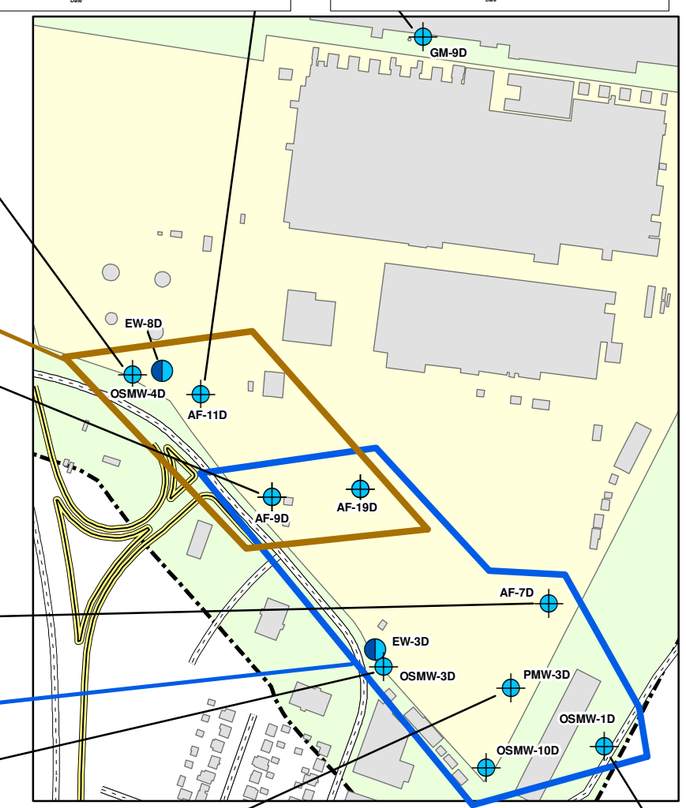


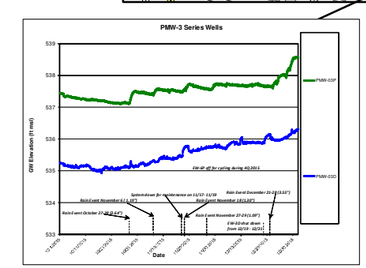


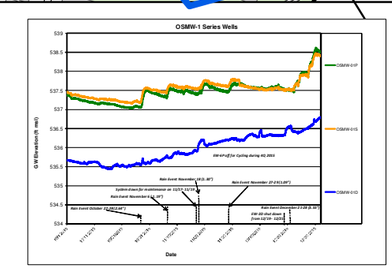












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LEGEND

- LSG MONITORING WELL
- LSG EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

GROUNDWATER ELEVATION HYDROGRAPHS
LSG
2015 4th QUARTER

O'BRIEN & GERE

December 2015
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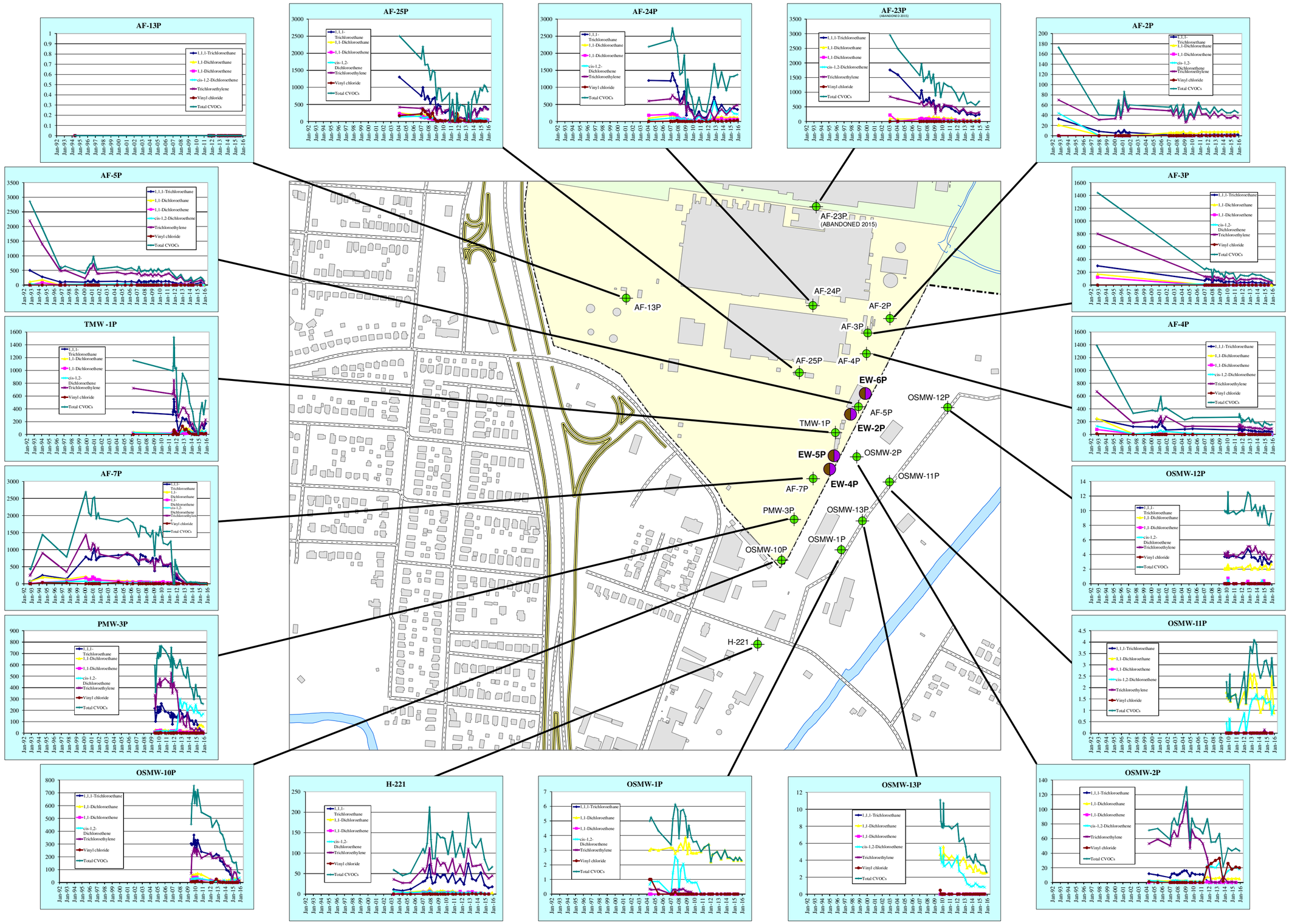

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FIGURE 8

GE
EVENDALE, OHIO

LEGEND

PERCHED ZONE MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS

PERCHED ZONE EXTRACTION WELL

GRAPH KEY

- 1,1,1-TRICHLOROETHANE
- 1,1-DICHLOROETHANE
- 1,1-DICHLOROETHENE
- CIS-1,2-DICHLOROETHENE
- TRICHLOROETHYLENE
- VINYL CHLORIDE
- TOTAL CVOCS

NOTES:
1. RESULTS ARE SHOWN IN ug/L
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

PERCHED ZONE HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

N

0 250 500 1,000
Feet

DECEMBER 2015
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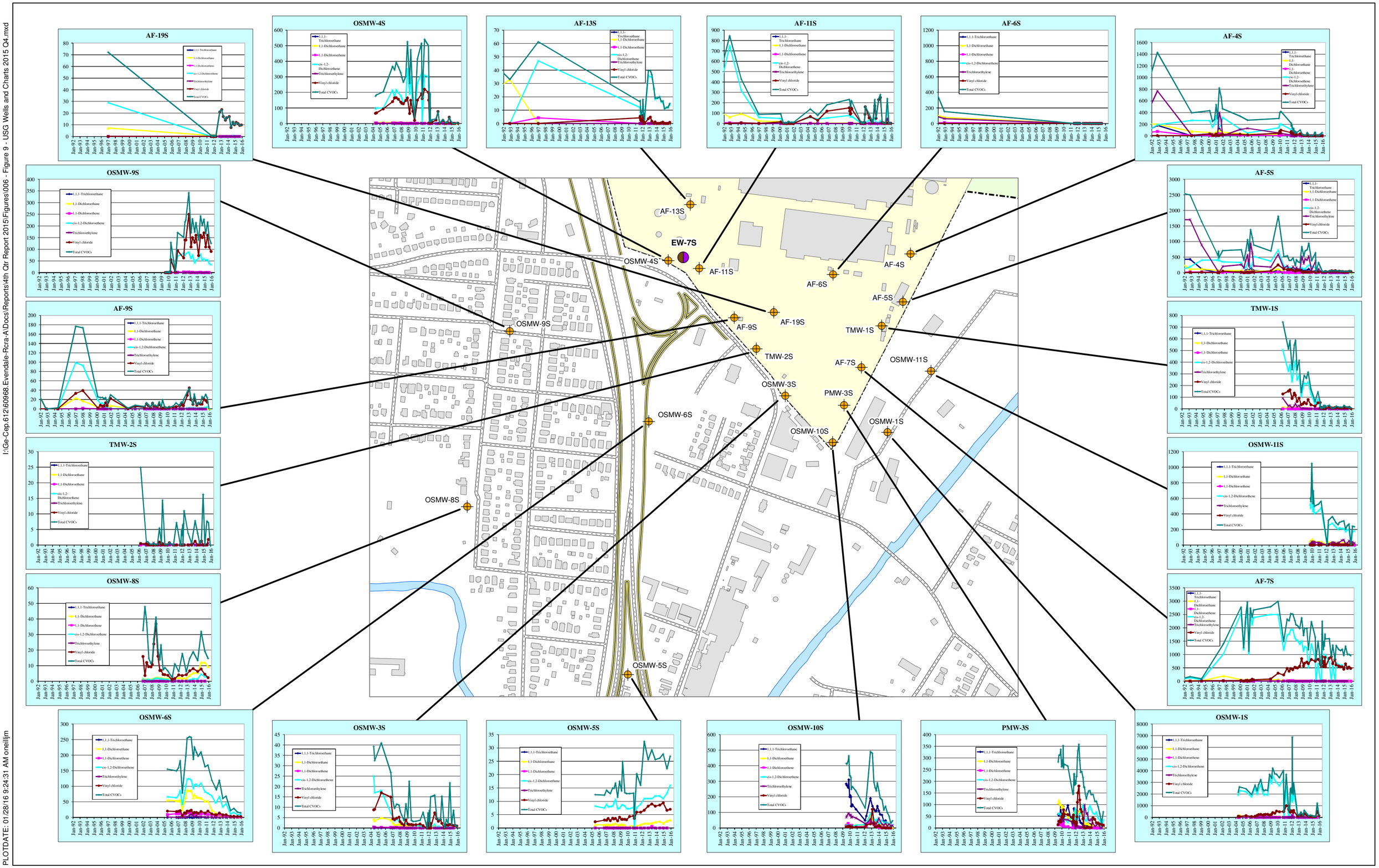

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FIGURE 9

GE
EVENDALE, OHIO

LEGEND

USG MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS

USG EXTRACTION WELL

GRAPH KEY

- 1,1,1-TRICHLOROETHANE
- 1,1-DICHLOROETHANE
- 1,1-DICHLOROETHENE
- CIS-1,2-DICHLOROETHENE
- TRICHLOROETHYLENE
- VINYL CHLORIDE
- TOTAL CVOCS

NOTES:
1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

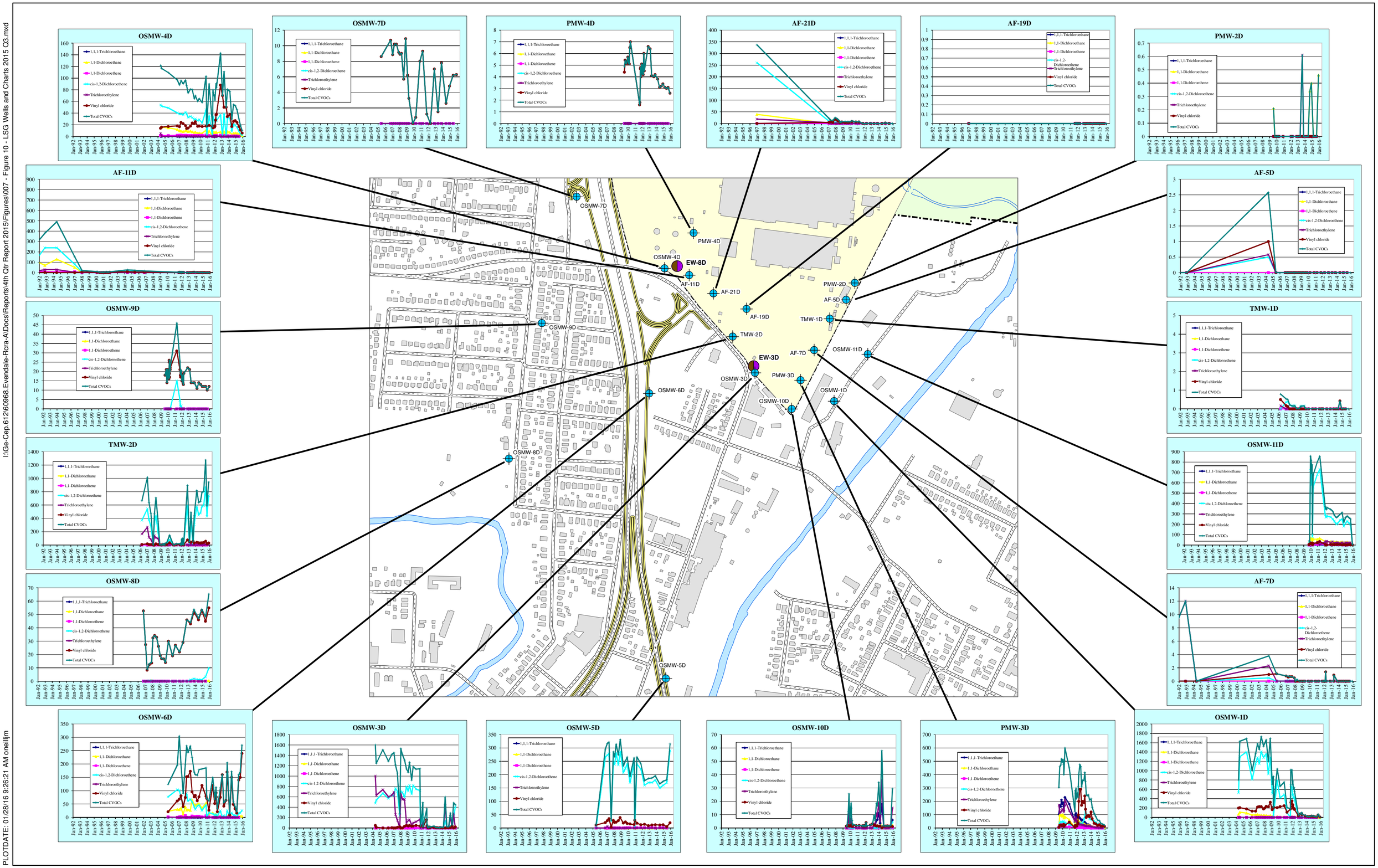
UPPER SAND AND GRAVEL HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

N

0 250 500 1,000
Feet

DECEMBER 2015
612\60698-006

O'BRIEN & GERE



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PLOTDATE: 01/28/16 9:26:21 AM oneilljm

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FIGURE 10

GE
EVENDALE, OHIO

LEGEND

- LSG MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS
- LSG EXTRACTION WELL

GRAPH KEY

- 1,1,1-TRICHLOROETHANE
- 1,1-DICHLOROETHANE
- 1,1-DICHLOROETHENE
- CIS-1,2-DICHLOROETHENE
- TRICHLOROETHYLENE
- VINYL CHLORIDE
- TOTAL CVOCS

NOTES:
1. RESULTS ARE SHOWN IN ug/L
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

LOWER SAND AND GRAVEL HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

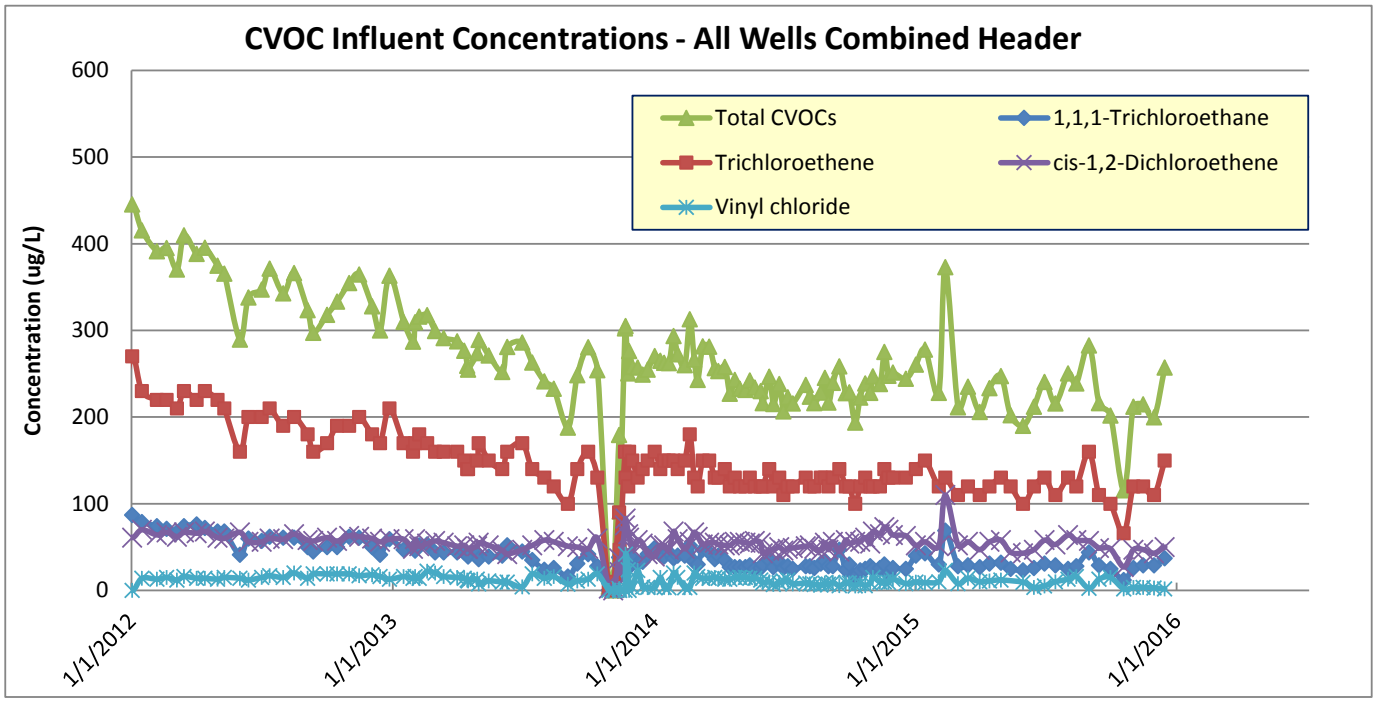
N

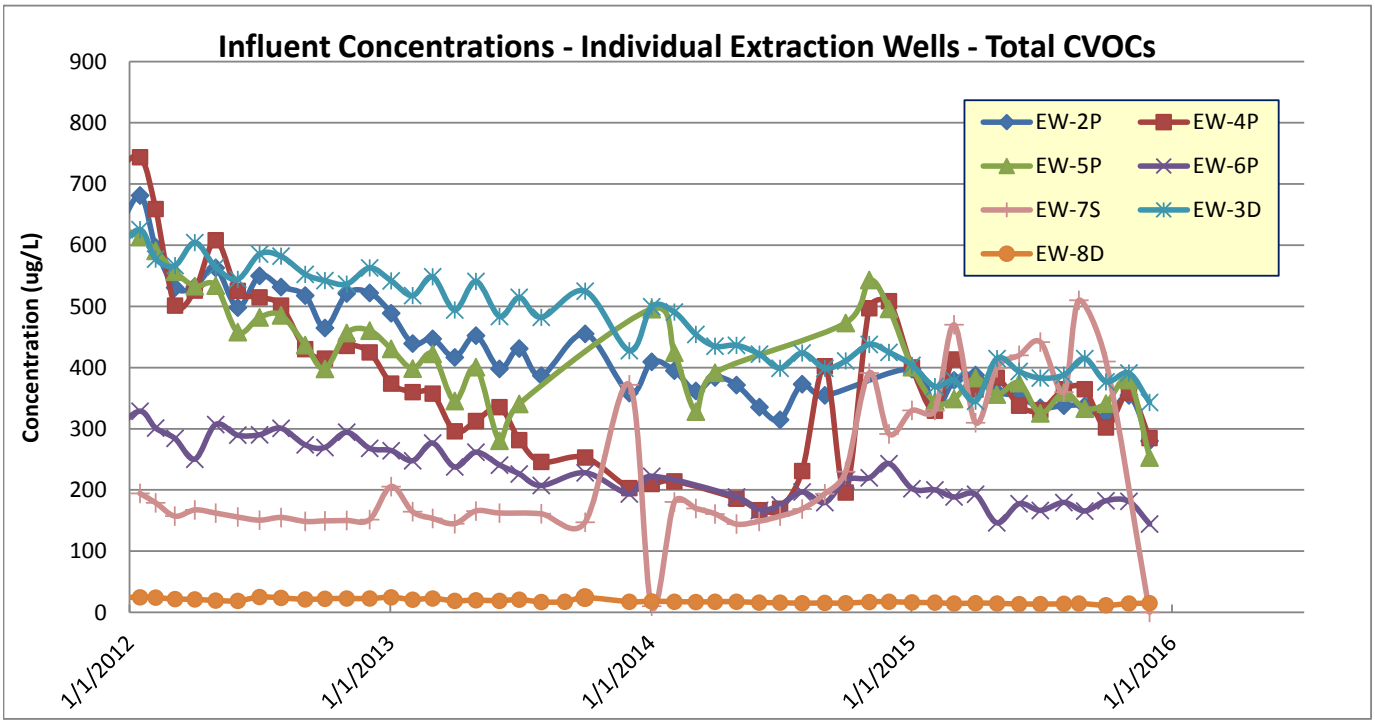
0 250 500 1,000
Feet

DECEMBER 2015
612/60698-007

O'BRIEN & GERE

FIGURE 11
Total CVOC Concentration Plots – Extraction Wells





Appendices

Appendix A-1

IRM Groundwater Sampling Program QA/QC Results and Data Verification

APPENDIX A-1
QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

Level A data verification was performed by O'Brien & Gere Engineers, Inc. to assess groundwater IRM performance monitoring data quality for samples collected during the Fourth Quarter 2015 (December 4, 2015 through December 7, 2015). Data verification was performed in accordance with the *IRM Performance Monitoring Plan* dated December 2010. The data verification level (Level A) for the performance samples was selected based upon data use (screening and trend analysis) and the quality of the laboratory data. Data verification was utilized to confirm the quality of the laboratory (TestAmerica Buffalo, Inc. (TA Buffalo) of Amherst, New York), which has an established record of acceptable quality for target analyte data from the routine groundwater IRM performance monitoring program. The Level A data verification included review of: (1) laboratory documentation, (2) chain-of-custody (COC) documentation, (3) target analyte results, (4) laboratory data qualifiers, (5) laboratory quantitation limits and method detection limits, (6) laboratory blank analysis, and (7) quality control samples.

The results of the Level A data verification indicated the following:

- Laboratory documentation was complete.
- Chain-of-custody (COC) documentation was complete.
- Target analyte results and data qualifiers were reported in accordance with the project requirements.
- Laboratory blank analysis did not indicate evidence of artifacts from the sampling or analytical process; therefore, the associated data is usable as reported.
- Laboratory quantitation limits are within the limits listed in the QAPP, except for acetone and 2-butanone which were reported as 10 µg /l (SAP QLs are 5 µg /l). The reporting limits for acetone and 2-butanone reported by TA Buffalo were revised from 5 µg/l to 10 µg/l.
- The matrix spike / matrix spike duplicate (MS/MSD) recoveries were within control limits, except for the recoveries for batch 280474, which were outside of the control limits for 1,1-dichloroethane (71% to 129%), 2-hexanone (65% to 127%) and cis-1,2-dichloroethene (74% to 124%) at 132%, 161% and 256%, respectively in the MS sample and 125%, 165% and 240%, respectively in the MSD sample. The sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample recovery met acceptance criteria; therefore, the 1,1-dichloroethane, 2-hexanone and cis-1,2-dichloroethene results do not require additional qualification due to the MS/MSD control limit excursion.
- The surrogate recoveries for the samples were within control limits.
- The continuing calibration verification (CCV) results were within control limits, except for the CCVs associated with batches 280224, 280400 and 280407 due to recovery of chloromethane and 4-methyl-2-pentanone in batch 280224, 2-hexanone and 4-methyl-2-pentanone in batch 280400 and chloromethane in batch 280407 were below their respective lower control limits (*i.e.*, low biased). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Therefore, because the samples associated with these CCVs were non-detects for the affected analyte, the associated data is usable as reported.
- The laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were within control limits, except for the LCS and/or LCSD for:
    - batches 280224 and 280400 due to the recovery of 4-methyl-2-pentanone (MIBK) below its lower control limits (*i.e.*, biased low). MIBK was identified as poor performing analyte for the method and is not considered a constituent of concern for the Site; therefore, results were reported as qualified (*i.e.*, estimated) non-detects. The affected samples included: AF-4P-120415, AF-4S-120415, AF-6S-120415, AF-19D-120415, AF-19S-120415, OSMW-10D-120415, OSMW-10P-120415, OSMW-10S-

120415, PMW-2D-120415, PMW-3D-120415, PMW-3P-120415, PMW-3S-120415, TMW-1P-120415 and Trip-Blank.

  - batch 280400 due to the coelution of ethyl acetate with 2-butanone resulting in an exceedance of the upper control limit for 2-butanone. However, because the samples associated with this LCS/LCSD were non-detects for the affected analyte, the associated data is usable as reported.
  - batch 280474 due to the coelution of n-butyl acetate with 2-hexanone resulting in an exceedance of the upper control limit for 2-hexanone. However, because the samples associated with this LCS were non-detects for the affected analyte, the associated data is usable as reported.

- Four samples were diluted to bring the target analytes into the calibration range: OSMW-9S-120715, OSMW-11S-120715, PMW-3P-120415 and TMW-1P-120415. Elevated reporting limits are provided.

The overall usability for the performance monitoring data is acceptable for the intended use.

Appendix A-2

Second Semiannual Groundwater Sampling Program Data Validation Report

MEMORANDUM

TO:	Clifford Yantz	cc:	T. Finch R. Boone
FROM:	Karen Storne		
RE:	GE Aviation, Semiannual Groundwater Monitoring Program Data Validation Report		
FILE:	10361/62574.200.016		
DATE:	February 3, 2016		

This Data Validation Report presents the results of data validation performed for samples collected by O'Brien & Gere in November and December 2015 as part of the of the General Electric (GE) Semiannual Groundwater Monitoring program at the Evendale, Ohio facility.

TestAmerica Buffalo, Inc. (TA Buffalo) of Amherst, New York performed the laboratory analyses for this sampling event. The laboratory packages contained summary forms for quality control analysis and supportive raw data.

The analysis performed for this sampling event is summarized in Table 1.

Table 1. ***Analytical Methods and References***

Parameter	Method	Reference
VOCs	USEPA Methods 5030C/8260C	1

Note:
1. USEPA. 2006. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-84*. Washington D.C.

VOCs indicates volatile organic compounds.

Source: O'Brien & Gere

The samples listed in the attached Table 2 were submitted for data validation. Table 3 presents the specific data validation approach applied to data generated for this investigation. Definitions of laboratory QA/QC terms are presented in Table 4.

Full validation was performed on the samples collected for this sampling event.

The analytical data generated for this investigation were evaluated by O'Brien & Gere using the quality assurance/quality control (QA/QC) information presented in the method and the following document:

- O'Brien & Gere. 2009. *Sampling and Analysis Plan, General Electric Company, Evendale, Ohio* (SAP). Farmington Hills, Michigan.

Data affected by excursions from criteria presented in the method and the SAP is qualified using professional judgment and guidance provided in the following document:

- USEPA. 2008. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-08-01*. Washington D.C.

The application of these validation guidelines has been modified to reflect the requirements of the method utilized by the laboratory.

The data validation included evaluating the following parameters:

- SAP compliance
- Chain-of-custody records
- Sample shipment

- Sample collection
- Holding times and sample preservation
- Calibrations
- Blank analysis
- Laboratory control sample (LCS) analysis
- Field duplicate analysis
- Surrogate recoveries
- Internal standards performance
- Gas chromatography/mass spectrometry (GC/MS) instrument check
- Target analyte quantification, identification, and quantitation limits (QLs)
- Documentation completeness.

The following sections of this memorandum present the results of the comparison of the analytical data to the QA/QC criteria specified in methods and the SAP and the qualifiers assigned to the data when the QA/QC criteria were not met. Additional observations are also presented in the following sections.

SAP COMPLIANCE

The target analyte list reported by TA Buffalo was consistent with the revised target list provided for this project.

For the target analytes reported by TA Buffalo, the laboratory QLs were less than or equal to the SAP QLs, with the following exceptions: the laboratory QLs for acetone and 2-butanone were reported as 10 µg/L and the SAP QLs are listed as 5 µg/L.

CHAIN-OF-CUSTODY RECORDS

For the samples collected 11/30/15, the analysis was not identified on the record for the majority of the samples.

A time gap was identified for the samples collected 12/2/15 to 12/3/15. The TA courier relinquished the samples on 12/3/15 at 15:40 to Federal Express and samples were received at TA Buffalo on 12/4/15 at 09:00. The courier used to ship the samples (Federal Express) was not listed on the chain-of-custody records.

VOC DATA EVALUATION SUMMARY

- The following QA/QC parameters were found to meet method and validation criteria or did not result in additional qualification of sample results:
- Sample shipment
- Sample collection
- Holding times and sample preservation
- Blank analysis
- LCS analysis
- Field duplicate analysis
- Surrogate recoveries

- Internal standards performance
- GC/MS instrument check
- Target analyte identification
- Documentation completeness.

Excursions from method or validation criteria and additional observations are described below.

I. Calibrations

The following results were qualified as approximate (UJ, J) due to minor calibration accuracy excursions:

- Bromomethane and chloroethane in samples Trip Blank 113015, OSMW-4S-113015, OSMW-4D-113015, TMW-1S-113015, TMW-1D-113015, AF-5P-113015, AF-5S-113015, AF-5D-113015, AF-2P-113015, AF-3P-113015, DUP-01-113015 [AF-5D-113015], AOC LDMW-1S-113015, and AOC PSTMW-1SR-113015
- Acetone in samples OSMW-1D-120215, OSMW-1S-120215, OSMW-1P-120215, OSMW-2P-120215, OSMW-5S-120215, OSMW-3S-120315, OSMW-3D-120315, AOC PST MW-2S-120315, AF-25P-120315, AF-21D-120315, AF-9S-120315, TMW-2S-120315, TMW-2D-120315, AF-24P-120315, OSMW-5D-120315, OSMW-7D-120315, OSMW-8S-120315, OSMW-8D-120315, OSMW-6S-120315, OSMW-6D-120315, H-221 120315, AF-7P-120315, AF-7D-120315, AF-7S-120315, DUP-01-120315 [AF-7D-120315], and Trip Blank 120315
- Bromomethane, carbon disulfide and 2-butanone in samples OSMW-1D-120215, OSMW-1S-120215, OSMW-1P-120215, OSMW-2P-120215, and OSMW-5S-120215
- Chloromethane in samples AF-7D-120315, AF-7S-120315, DUP-01-120315 [AF-7D-120315], and Trip Blank 120315.

II. MS/MSD analysis

The following results were qualified as approximate (J) due to minor MS/MSD accuracy excursions:

- Trichloroethene in sample AF-24P-120315
- Cis-1,2-dichloroethene and vinyl chloride in sample AF-7S-120315.

III. Target analyte quantitation and QLs

Sample OSMW-6S-120315 was re-analyzed for vinyl chloride by the laboratory due to an analyst error and the original analysis was reported for this sample. The concentration of vinyl chloride in the re-analysis was 4.1 µg/L which is consistent with historical concentrations for this sampling location.

Sample results for VOCs were reported using undiluted and diluted analyses due to elevated concentrations of target analytes.

The laboratory applied the qualifier "J" when the analyte concentration was greater than the MDL but less than the QL. This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

DATA USABILITY

This section evaluates data usability for samples based on QA/QC criteria established by the methods as listed in Table 1. Major deficiencies in the data generation process result in data being rejected, indicating that the data is considered unusable for either quantitative or qualitative purposes. Data were not rejected for this sampling event. Minor deficiencies in the data generation process result in sample data being characterized as approximate or non-detected. Data were qualified as approximate for this sampling event.

A discussion of the data quality with regard to the parameters evaluated follows:

- Precision: Data were not rejected for precision excursions.
- Sensitivity: Dilutions were performed for analysis, which resulted in elevated QLs reported for this project.
- Accuracy: Data were not rejected due to accuracy excursions.
- Representativeness: Data were not rejected due to representativeness excursions.
- Comparability: Standardized analytical methods, QLs, reference materials, and data deliverables were used throughout the data generation process for this project.
- Completeness: Overall data usability with respect to completeness is 100 percent for the data set. Therefore, the data were identified as usable for qualitative and quantitative purposes.

Table 2. Sample Cross Reference Table					
Laboratory	Date Collected	Laboratory ID	Client ID	Matrix	Analysis Requested
TA Buffalo	11/30/2015	480-91840-1	Trip Blank 113015	Aqueous	VOCs
TA Buffalo	11/30/2015	480-91840-2	OSMW-4S-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-3	OSMW-4D-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-4	TMW-1S-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-5	TMW-1D-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-6	AF-5P-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-7	AF-5S-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-8	AF-5D-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-8 MS	AF-5D-113015 MS	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-8 MSD	AF-5D-113015 MSD	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-9	AF-2P-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-10	AF-3P-113015	Groundwater	
TA Buffalo	11/30/2015	480-91840-11	DUP-01-113015 [AF-5D-113015]	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-12	AOC LDMW-1S-113015	Groundwater	VOCs
TA Buffalo	11/30/2015	480-91840-13	AOC PSTMW-1SR-113015	Groundwater	VOCs
TA Buffalo	12/2/2015	480-92124-1	OSMW-1D-120215	Groundwater	VOCs
TA Buffalo	12/2/2015	480-92124-2	OSMW-1S-120215	Groundwater	VOCs
TA Buffalo	12/2/2015	480-92124-3	OSMW-1P-120215	Groundwater	VOCs
TA Buffalo	12/2/2015	480-92124-4	OSMW-2P-120215	Groundwater	VOCs
TA Buffalo	12/2/2015	480-92124-5	OSMW-5S-120215	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-6	OSMW-3S-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-7	OSMW-3D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-8	AOC PST MW-2S-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-9	AF-25P-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-10	AF-21D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-11	AF-9S-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-12	TMW-2S-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-13	TMW-2D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-14	AF-24P-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-15	OSMW-5D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-16	OSMW-7D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-17	OSMW-8S-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-18	OSMW-8D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-19	OSMW-6S-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-20	OSMW-6D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-21	H-221 120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-22	AF-7P-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-23	AF-7D-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-23 MS	AF-7D-120315 MS	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-23 MSD	AF-7D-120315 MSD	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-24	AF-7S-120315	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-25	DUP-01-120315 [AF-7D-120315]	Groundwater	VOCs
TA Buffalo	12/3/2015	480-92124-26	Trip Blank 120315	Aqueous	VOCs

Note:
TA Buffalo indicates TestAmerica of Amherst, New York
VOCs indicates volatile organic compounds.
MS/MSD indicates matrix spike/matrix spike duplicate.
The location in brackets indicates the field duplicate sampling location.

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
Laboratory Methods and Data Validation Approach	The O'Brien & Gere data validation approach utilizes the methods applied by the laboratory to evaluate data. USEPA National Functional Guidelines address data validation of Contract Laboratory Program (CLP) methods. If excursions from the method quality control requirements are identified, O'Brien & Gere applies a similar approach as used in the USEPA National Functional Guidelines (1999) to apply validation qualifiers to the data associated with the excursions.
General Validation Approach	The validation approach taken by O'Brien & Gere is a conservative one; qualifiers are applied to sample data to indicate both major and minor excursions so that data associated with any type of excursion are identified to the data user. Major excursions result in data being rejected (R), indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor excursions result in sample data being qualified as approximate (J, UJ, JN) or non-detected (U) that is otherwise usable for quantitative or qualitative purposes.
	Excursions are subdivided into excursions that are within the laboratory's control and those that are a result of site conditions. Excursions involving laboratory control sample recovery, calibration response, method blank excursions, low or high spike recovery due to inaccurate spiking solutions or poor instrument response, holding times, interpretation errors, and quantitation errors are within the control of the laboratory. Excursions resulting from matrix spike recovery, serial dilution recovery, surrogate, and internal standard performance due to interference from the matrix of the samples are examples of those excursions that are due to site conditions and are not within the laboratory's control if the laboratory has followed proper method procedures, including performing appropriate cleanup techniques.
Applying professional judgment	USEPA National Functional Guidelines allow professional judgment to be used when applying qualifiers in some cases. When utilizing professional judgment, justification for actions taken will either be provided in the associated report or will be available upon request.
Validation Parameter	O'Brien & Gere Data Validation Approach based on: • USEPA. 2008. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA-540-R-08-01. Washington D.C. • USEPA. 2010. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* EPA-540-R-10-011. Washington D.C.
Validation Qualifiers - Organics	U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the quantitation limit (QL). J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the QL). NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration. UJ - The analyte was not detected at a level greater than or equal to the QL. However, the QL is approximate and may be inaccurate or imprecise. R - The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample. C - This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS). X - This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.
Cooler Temperature	Results for samples submitted for organic analyses that are impacted by coolers that did not contain ice, or if the ice melted upon receipt and the cooler temperatures are greater than 10°C, are qualified as approximate (UJ, J). If samples are delivered to the laboratory the same day as sample collection and samples did not have sufficient time to reach 10°C, samples are not qualified, unless proper preservation was not provided for samples between sample collection and sample receipt at the laboratory. Results for samples received at ambient temperature involved in extended shipment-day issues may be rejected, applying professional judgment.
Holding Time for Organics	Results for samples properly preserved and analyzed outside of but less than two times the holding time window established in the method or the QAPP for preparation and/or analysis are qualified as approximate (UJ, J). Non-detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are rejected (R). Detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are qualified as approximate (J).

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
	The entire sample target list for a VOC sample impacted by a holding time excursion is qualified.
Calibration Actions for VOCs	Due to relative standard deviation (RSD) calibration excursions, detected results for analytes in samples associated with the calibration are qualified as approximate (J). Non-detected results associated with RSD excursions may be qualified as approximate (UJ) based on professional judgment. If the RSD calibration excursion is greater than 90 for VOC, detected results for analytes in samples associated with the calibration are qualified as approximate (J) and non-detected results may be rejected (R), applying professional judgment. Due to %D calibration verification excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers. For response factor excursions, detected results are qualified as approximate (J) and non-detected results are rejected (R). For initial calibration verifications (ICV) excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers.
VOCs Instrument Performance Evaluation	IP requirements may not apply when Selected Ion Monitoring (SIM) is used for analysis. Refer to the laboratory SOP. If IP fails 12 hour clock time frequency or ion abundance criteria, associated sample result are rejected (R).
VOCs Calibration Evaluation (8260C)	VOC target analytes are evaluated using the criteria of 20 percent relative standard deviation (%RSD) or correlation coefficient of 0.990 for initial calibration curves. Calibration verifications are evaluated using a criterion of 20 percent difference (%D. Initial calibrations and calibration verifications are also evaluated using the response factor (RF) criteria described in the method. If criterion are not specified in the method, the RF of 0.05 is applied, using professional judgment for poor responding analytes. ICV recoveries are evaluated using laboratory control limits if available or 70 to 130%.
Associating samples with Field and Laboratory QC Samples	Trip blanks are associated with samples in the same sample cooler.
	Equipment blanks (Rinsate blanks) are associated with samples collected in the same day (or sampling event) using the same sample collection equipment and decontamination solutions. When sampling equipment or decontamination solutions are changed, a new equipment blank should be collected. Each sample should be associated with one equipment blank, which is collected as close to the sample collection date/time as possible. Use professional judgment.
	Field blanks are associated with the sample containers used to collect samples. When sampling container lots are changed, a new field blank should be collected.
	Method blanks are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples. Method blanks should reflect the sample matrix type (aqueous, low level solid, medium level solid).
	LCSs are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples.
	MS/MSD and laboratory duplicate samples are collected in the field. The laboratory must prepare using project samples. MS/MSDs and laboratory duplicates are associated with samples prepared at the same time or close to the same time (if preparation is required) with the same matrix type.
	Field duplicates are collected in the field and are associated with samples of the same matrix type.
	In the case that insufficient QC samples are provided due to field or laboratory problems, use professional judgment to associate each sample with a QC sample that reflects the sample matrix and analysis conditions. If insufficient QC samples are available to properly associate samples, record the impact in the DV notes.
Evaluation and Action for MS/MSD, LCS, Surrogate and Laboratory Duplicate Data for VOCs	The laboratory control limit (CL) is used to assess MS/MSD, LCS, surrogate and laboratory duplicate data. Refer to Region II guidelines if laboratory control limits are not available.
	In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly (see batching description above).
	If percent recoveries are less than laboratory CLs but greater than 10%, non-detected and detected results are qualified as approximate (UJ, J).
	If percent recoveries are greater than laboratory CLs, detected results are qualified as approximate (J).

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
	If percent recoveries are less than 10%, detected results are qualified as approximate (J) and non-detected results are qualified as rejected (R).
	If RPDs for MSDs or laboratory duplicates are outside of laboratory CLs, detected results are qualified as approximate (J). Non-detected results may not be qualified, applying professional judgment.
Evaluation and Actions for Blank Results (Method, Field, Equipment, Instrument, Storage) for VOC Data	Blanks are not qualified due to contamination of another blank. Sample results qualified as non-detected (U) are treated as hits when qualifying for surrogate or calibration excursions. The following approach is utilized for applying qualifiers, using twice the quantitation limit (QL) for methylene chloride, 2-butanone, acetone: 1. For blank results less than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL are not qualified or may apply the Blank Rule Option. 2. For blank results greater than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and less than the blank contamination level are reported and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and greater than or equal to the blank contamination level are not qualified or may apply the Blank Rule Option. 3. For blank results equal to the QL, sample concentrations less than the QL are reported at the QL value and qualified as non-detected (U). Samples greater than or equal to the QL are not qualified or may apply the Blank Rule Option. 4. For gross contamination in blanks (saturated peaks, interference peaks, poor baselines), all associated sample detected results are rejected (R) or qualified as non-detected (U) using professional judgment. Blank Rule Option: If methylene chloride, acetone or 2-butanone is detected in the sample at a concentration that is less than ten times the concentration in the associated blank, the sample result is qualified as "U". If other target analytes are detected in the sample at a concentration that is less than five times the concentration detected in the associated blank, the sample result is qualified as "U".
Evaluation of MS/MSD, Surrogate, and Field Duplicate Data for VOCs	Qualification is performed only when both MS and MSD recoveries are outside of laboratory CLs.
	Organic data are rejected (R) in the case that both MS/MSD recoveries are less than 10%.
	Qualification is not performed if MS/MSD or surrogate recoveries are outside of laboratory CLs with an analysis that applied a dilution factor of 10 times or more.
	Qualification of data associated with MS/MSD or field duplicate excursions is limited to the un-spiked sample or the field duplicate pair, respectively.
	Field duplicate data are evaluated against relative percent difference (RPD) criteria of less than 50 percent for aqueous samples and less than 100 percent for soils when results are greater than or equal to five times the QL. When a field duplicate result is less than five times the QL, a control limit of plus or minus two times the QL (difference criterion) is applied. If RPDs or differences are outside of criterion, detected and non-detected results are qualified as approximate (UJ, J) to indicate minor excursions.
Evaluation of Internal Standards for VOCs	Internal standard recoveries are evaluated using control limits of from 50% of the lower standard area to 100% of the upper standard area of the associated calibration verification standard. The results associated with internal standard area recoveries 25% or greater but less than 50% are qualified as approximate (J, UJ). Non-detected results associated with internal standard area recoveries less than 25% are rejected (R), using professional judgment.
General Inorganic MS/MSD, LCS, Duplicate Data	Laboratory established control limits are used to assess duplicate, MS/MSD, and LCS data.
	In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly.
	Qualification of inorganic data for MS/MSD analyses is performed when either MS or MSD percent recoveries are outside of laboratory control limits.
	For inorganic analyses, if RPDs for MS/MSDs, laboratory duplicates, or field duplicates are outside of laboratory control limits, associated detected and non-detected results are qualified as approximate (UJ, J).

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
	Detected sample results associated with recoveries that are greater than the laboratory control limits are qualified as approximate biased high ($J^{(+)}$).
	Detected sample results associated with recoveries that both are greater than the laboratory control limits and less than the laboratory control limits or with one recovery outside of laboratory control limits, are qualified as approximate (J).
	Detected sample results associated with recoveries that are less than the laboratory control limits are qualified as approximate biased low ($J^{(-)}$).
	Non-detected sample results associated with recoveries that are less than the laboratory control limits but greater than or equal to 30 percent are qualified as approximate (UJ).
	Non-detected sample results associated with recoveries that are less than 30 percent are qualified as rejected (R).
Serial Dilution Data	Serial dilution results are evaluated by the laboratory for data with initial sample concentrations that are greater than 50 times the instrument detection limit (IDL), in accordance with the validation guidelines. Qualifiers are applied to data that exceeded the ten percent difference based on the laboratory evaluation summary form provided.
Total and Dissolved Concentration Comparisons	Total and dissolved metal concentrations are compared to a criterion of less than or equal to 10% using the equation dissolved –total/dissolved times 100. Sample results outside of the criterion are qualified as approximate (J).
Inorganic Blank Data	Concentrations in the associated samples greater than the QL but f less than five times the associated blank concentration are qualified as undetected (U) when blank concentrations are less than the QL. For concentrations in the samples below the QL, the concentration is replaced with the QL and qualified as undetected (U).
	Non-detected concentrations in the associated samples associated with a negative blank concentration are qualified as approximate (UJ).
	Concentrations in the associated samples of greater than the QL but less than ten times the method or calibration blank concentration, when the calibration or method blank concentration is greater than the QL, are rejected (R).
	If analytes are detected in equipment blanks, sample concentrations less than the QL are replaced with the QL and qualified as undetected (U). Sample concentrations greater than the QL and less than five times the equipment blank concentration are qualified as undetected (U).
Source: O'Brien & Gere	

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
Laboratory Methods and Data Validation Approach	The O'Brien & Gere data validation approach utilizes the methods applied by the laboratory to evaluate data. USEPA National Functional Guidelines address data validation of Contract Laboratory Program (CLP) methods. If excursions from the method quality control requirements are identified, O'Brien & Gere applies a similar approach as used in the USEPA National Functional Guidelines (1999) to apply validation qualifiers to the data associated with the excursions.
General Validation Approach	The validation approach taken by O'Brien & Gere is a conservative one; qualifiers are applied to sample data to indicate both major and minor excursions so that data associated with any type of excursion are identified to the data user. Major excursions result in data being rejected (R), indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor excursions result in sample data being qualified as approximate (J, UJ, JN) or non-detected (U) that is otherwise usable for quantitative or qualitative purposes.
	Excursions are subdivided into excursions that are within the laboratory's control and those that are a result of site conditions. Excursions involving laboratory control sample recovery, calibration response, method blank excursions, low or high spike recovery due to inaccurate spiking solutions or poor instrument response, holding times, interpretation errors, and quantitation errors are within the control of the laboratory. Excursions resulting from matrix spike recovery, serial dilution recovery, surrogate, and internal standard performance due to interference from the matrix of the samples are examples of those excursions that are due to site conditions and are not within the laboratory's control if the laboratory has followed proper method procedures, including performing appropriate cleanup techniques.
Applying professional judgment	USEPA National Functional Guidelines allow professional judgment to be used when applying qualifiers in some cases. When utilizing professional judgment, justification for actions taken will either be provided in the associated report or will be available upon request.
Validation Parameter	O'Brien & Gere Data Validation Approach based on: • USEPA. 2008. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review,* EPA-540-R-08-01. Washington D.C. • USEPA. 2010. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* EPA-540-R-10-011. Washington D.C.
Validation Qualifiers - Organics	U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the quantitation limit (QL). J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the QL). NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration. UJ - The analyte was not detected at a level greater than or equal to the QL. However, the QL is approximate and may be inaccurate or imprecise. R - The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample. C - This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS). X - This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.
Cooler Temperature	Results for samples submitted for organic analyses that are impacted by coolers that did not contain ice, or if the ice melted upon receipt and the cooler temperatures are greater than 10°C, are qualified as approximate (UJ, J). If samples are delivered to the laboratory the same day as sample collection and samples did not have sufficient time to reach 10°C, samples are not qualified, unless proper preservation was not provided for samples between sample collection and sample receipt at the laboratory. Results for samples received at ambient temperature involved in extended shipment-day issues may be rejected, applying professional judgment.
Holding Time for Organics	Results for samples properly preserved and analyzed outside of but less than two times the holding time window established in the method or the QAPP for preparation and/or analysis are qualified as approximate (UJ, J). Non-detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are rejected (R). Detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are qualified as approximate (J).

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
	The entire sample target list for a VOC sample impacted by a holding time excursion is qualified.
Calibration Actions for VOCs	Due to relative standard deviation (RSD) calibration excursions, detected results for analytes in samples associated with the calibration are qualified as approximate (J). Non-detected results associated with RSD excursions may be qualified as approximate (UJ) based on professional judgment. If the RSD calibration excursion is greater than 90 for VOC, detected results for analytes in samples associated with the calibration are qualified as approximate (J) and non-detected results may be rejected (R), applying professional judgment. Due to %D calibration verification excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers. For response factor excursions, detected results are qualified as approximate (J) and non-detected results are rejected (R). For initial calibration verifications (ICV) excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers.
VOCs Instrument Performance Evaluation	IP requirements may not apply when Selected Ion Monitoring (SIM) is used for analysis. Refer to the laboratory SOP. If IP fails 12 hour clock time frequency or ion abundance criteria, associated sample result are rejected (R).
VOCs Calibration Evaluation (8260C)	VOC target analytes are evaluated using the criteria of 20 percent relative standard deviation (%RSD) or correlation coefficient of 0.990 for initial calibration curves. Calibration verifications are evaluated using a criterion of 20 percent difference (%D. Initial calibrations and calibration verifications are also evaluated using the response factor (RF) criteria described in the method. If criterion are not specified in the method, the RF of 0.05 is applied, using professional judgment for poor responding analytes. ICV recoveries are evaluated using laboratory control limits if available or 70 to 130%.
Associating samples with Field and Laboratory QC Samples	Trip blanks are associated with samples in the same sample cooler.
	Equipment blanks (Rinsate blanks) are associated with samples collected in the same day (or sampling event) using the same sample collection equipment and decontamination solutions. When sampling equipment or decontamination solutions are changed, a new equipment blank should be collected. Each sample should be associated with one equipment blank, which is collected as close to the sample collection date/time as possible. Use professional judgment.
	Field blanks are associated with the sample containers used to collect samples. When sampling container lots are changed, a new field blank should be collected.
	Method blanks are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples. Method blanks should reflect the sample matrix type (aqueous, low level solid, medium level solid).
	LCSs are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples.
	MS/MSD and laboratory duplicate samples are collected in the field. The laboratory must prepare using project samples. MS/MSDs and laboratory duplicates are associated with samples prepared at the same time or close to the same time (if preparation is required) with the same matrix type.
	Field duplicates are collected in the field and are associated with samples of the same matrix type.
	In the case that insufficient QC samples are provided due to field or laboratory problems, use professional judgment to associate each sample with a QC sample that reflects the sample matrix and analysis conditions. If insufficient QC samples are available to properly associate samples, record the impact in the DV notes.
Evaluation and Action for MS/MSD, LCS, Surrogate and Laboratory Duplicate Data for VOCs	The laboratory control limit (CL) is used to assess MS/MSD, LCS, surrogate and laboratory duplicate data. Refer to Region II guidelines if laboratory control limits are not available.
	In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly (see batching description above).
	If percent recoveries are less than laboratory CLs but greater than 10%, non-detected and detected results are qualified as approximate (UJ, J).
	If percent recoveries are greater than laboratory CLs, detected results are qualified as approximate (J).

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
	If percent recoveries are less than 10%, detected results are qualified as approximate (J) and non-detected results are qualified as rejected (R).
	If RPDs for MSDs or laboratory duplicates are outside of laboratory CLs, detected results are qualified as approximate (J). Non-detected results may not be qualified, applying professional judgment.
Evaluation and Actions for Blank Results (Method, Field, Equipment, Instrument, Storage) for VOC Data	Blanks are not qualified due to contamination of another blank. Sample results qualified as non-detected (U) are treated as hits when qualifying for surrogate or calibration excursions. The following approach is utilized for applying qualifiers, using twice the quantitation limit (QL) for methylene chloride, 2-butanone, acetone: 1. For blank results less than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL are not qualified or may apply the Blank Rule Option. 2. For blank results greater than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and less than the blank contamination level are reported and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and greater than or equal to the blank contamination level are not qualified or may apply the Blank Rule Option. 3. For blank results equal to the QL, sample concentrations less than the QL are reported at the QL value and qualified as non-detected (U). Samples greater than or equal to the QL are not qualified or may apply the Blank Rule Option. 4. For gross contamination in blanks (saturated peaks, interference peaks, poor baselines), all associated sample detected results are rejected (R) or qualified as non-detected (U) using professional judgment. Blank Rule Option: If methylene chloride, acetone or 2-butanone is detected in the sample at a concentration that is less than ten times the concentration in the associated blank, the sample result is qualified as "U". If other target analytes are detected in the sample at a concentration that is less than five times the concentration detected in the associated blank, the sample result is qualified as "U".
Evaluation of MS/MSD, Surrogate, and Field Duplicate Data for VOCs	Qualification is performed only when both MS and MSD recoveries are outside of laboratory CLs.
	Organic data are rejected (R) in the case that both MS/MSD recoveries are less than 10%.
	Qualification is not performed if MS/MSD or surrogate recoveries are outside of laboratory CLs with an analysis that applied a dilution factor of 10 times or more.
	Qualification of data associated with MS/MSD or field duplicate excursions is limited to the un-spiked sample or the field duplicate pair, respectively.
	Field duplicate data are evaluated against relative percent difference (RPD) criteria of less than 50 percent for aqueous samples and less than 100 percent for soils when results are greater than or equal to five times the QL. When a field duplicate result is less than five times the QL, a control limit of plus or minus two times the QL (difference criterion) is applied. If RPDs or differences are outside of criterion, detected and non-detected results are qualified as approximate (UJ, J) to indicate minor excursions.
Evaluation of Internal Standards for VOCs	Internal standard recoveries are evaluated using control limits of from 50% of the lower standard area to 100% of the upper standard area of the associated calibration verification standard. The results associated with internal standard area recoveries 25% or greater but less than 50% are qualified as approximate (J, UJ). Non-detected results associated with internal standard area recoveries less than 25% are rejected (R), using professional judgment.
General Inorganic MS/MSD, LCS, Duplicate Data	Laboratory established control limits are used to assess duplicate, MS/MSD, and LCS data.
	In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly.
	Qualification of inorganic data for MS/MSD analyses is performed when either MS or MSD percent recoveries are outside of laboratory control limits.
	For inorganic analyses, if RPDs for MS/MSDs, laboratory duplicates, or field duplicates are outside of laboratory control limits, associated detected and non-detected results are qualified as approximate (UJ, J).

O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods	
	Detected sample results associated with recoveries that are greater than the laboratory control limits are qualified as approximate biased high ($J^{(+)}$).
	Detected sample results associated with recoveries that both are greater than the laboratory control limits and less than the laboratory control limits or with one recovery outside of laboratory control limits, are qualified as approximate (J).
	Detected sample results associated with recoveries that are less than the laboratory control limits are qualified as approximate biased low ($J^{(-)}$).
	Non-detected sample results associated with recoveries that are less than the laboratory control limits but greater than or equal to 30 percent are qualified as approximate (UJ).
	Non-detected sample results associated with recoveries that are less than 30 percent are qualified as rejected (R).
Serial Dilution Data	Serial dilution results are evaluated by the laboratory for data with initial sample concentrations that are greater than 50 times the instrument detection limit (IDL), in accordance with the validation guidelines. Qualifiers are applied to data that exceeded the ten percent difference based on the laboratory evaluation summary form provided.
Total and Dissolved Concentration Comparisons	Total and dissolved metal concentrations are compared to a criterion of less than or equal to 10% using the equation dissolved –total/dissolved times 100. Sample results outside of the criterion are qualified as approximate (J).
Inorganic Blank Data	Concentrations in the associated samples greater than the QL but f less than five times the associated blank concentration are qualified as undetected (U) when blank concentrations are less than the QL. For concentrations in the samples below the QL, the concentration is replaced with the QL and qualified as undetected (U).
	Non-detected concentrations in the associated samples associated with a negative blank concentration are qualified as approximate (UJ).
	Concentrations in the associated samples of greater than the QL but less than ten times the method or calibration blank concentration, when the calibration or method blank concentration is greater than the QL, are rejected (R).
	If analytes are detected in equipment blanks, sample concentrations less than the QL are replaced with the QL and qualified as undetected (U). Sample concentrations greater than the QL and less than five times the equipment blank concentration are qualified as undetected (U).
Source: O'Brien & Gere	

Analytical Data

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client: O'Brien & Gere Inc of North America

Client Sample ID: **Trip Blank**

Lab Sample ID: 480-91840-1TB
Client Matrix: Water

Date Sampled: 11/30/2015 0000
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2717.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0144			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0144				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	93		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: OSMW-4S-113015

Lab Sample ID: 480-91840-2
Client Matrix: Water

Date Sampled: 11/30/2015 0906
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2718.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0208			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0208				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	2.2		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	93		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: OSMW-4D-113015

Lab Sample ID: 480-91840-3
Client Matrix: Water

Date Sampled: 11/30/2015 0911
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2719.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0232			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0232				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	1.7		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	2.3		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	5.8		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	92		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: TMW-1S-113015

Lab Sample ID: 480-91840-4
Client Matrix: Water

Date Sampled: 11/30/2015 0941
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2720.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0256			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0256				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	2.5		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	3.3	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND	UJ	0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND	UJ	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	1.4		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
Toluene-d8 (Surr)	98		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: TMW-1D-113015

Lab Sample ID: 480-91840-5
Client Matrix: Water

Date Sampled: 11/30/2015 0947
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2721.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0320			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0320				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	93		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: AF-5P-113015

Lab Sample ID: 480-91840-6
Client Matrix: Water

Date Sampled: 11/30/2015 1027
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2722.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0343			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0343				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	39		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	3.8	J	1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
2-Hexanone	ND		5.0	20
2-Butanone (MEK)	ND		5.3	40
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	ND		1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND UJ		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	ND		3.0	4.0
Dibromochloromethane	ND		1.3	4.0
Chloroethane	ND UJ		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	3.9	J	3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Ethylbenzene	ND		3.0	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	100		1.8	4.0
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: AF-5S-113015

Lab Sample ID: 480-91840-7
Client Matrix: Water

Date Sampled: 11/30/2015 1034
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID.	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2723.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0407			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0407				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	4.7		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	0.41	J	0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	0.71 J	J	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	6.4		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	35		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	92		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: AF-5D-113015

Lab Sample ID: 480-91840-8
Client Matrix: Water

Date Sampled: 11/30/2015 1040
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2724.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0430			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0430				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND	F1	1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ	F1	0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ	F1	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	90		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: AF-2P-113015

Lab Sample ID: 480-91840-9
Client Matrix: Water

Date Sampled: 11/30/2015 1125
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method.	5030C	Prep Batch:	N/A	Lab File ID:	T2725.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date.	12/05/2015 0454			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0454				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	2.2		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	7.8		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	35		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: AF-3P-113015

Lab Sample ID: 480-91840-10
Client Matrix: Water

Date Sampled: 11/30/2015 1145
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2726.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0517			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0517				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	13		1.6	2.0
1,1,2,2-Tetrachloroethane	ND		0.42	2.0
1,1,2-Trichloroethane	ND		0.46	2.0
1,1-Dichloroethane	1.1	J	0.76	2.0
1,1-Dichloroethene	ND		0.58	2.0
1,2-Dichloroethane	ND		0.42	2.0
1,2-Dichloropropane	ND		1.4	2.0
2-Hexanone	ND		2.5	10
2-Butanone (MEK)	ND		2.6	20
4-Methyl-2-pentanone (MIBK)	ND		4.2	10
Acetone	ND		6.0	20
Benzene	ND		0.82	2.0
Bromodichloromethane	ND		0.78	2.0
Bromoform	ND		0.52	2.0
Bromomethane	ND UJ		1.4	2.0
Carbon disulfide	ND		0.38	2.0
Carbon tetrachloride	ND		0.54	2.0
Chlorobenzene	ND		1.5	2.0
Dibromochloromethane	ND		0.64	2.0
Chloroethane	ND UJ		0.64	2.0
Chloroform	ND		0.68	2.0
Chloromethane	ND		0.70	2.0
cis-1,2-Dichloroethene	ND		1.6	2.0
cis-1,3-Dichloropropene	ND		0.72	2.0
Ethylbenzene	ND		1.5	2.0
Methylene Chloride	ND		0.88	2.0
Styrene	ND		1.5	2.0
Tetrachloroethene	8.9		0.72	2.0
Toluene	ND		1.0	2.0
trans-1,2-Dichloroethene	ND		1.8	2.0
trans-1,3-Dichloropropene	ND		0.74	2.0
Trichloroethene	44		0.92	2.0
Vinyl chloride	ND		1.8	2.0
Xylenes, Total	ND		1.3	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
Toluene-d8 (Surr)	92		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	92		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: DUP-01-113015

Lab Sample ID: 480-91840-11
Client Matrix: Water

Date Sampled: 11/30/2015 1200
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2727.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0541			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0541				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	95		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: AOC LDMW-1S-113015

Lab Sample ID: 480-91840-12
Client Matrix: Water

Date Sampled: 11/30/2015 1215
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2728.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0604			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0604				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	170		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	170		1.9	5.0
1,1-Dichloroethene	9.3		1.5	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
2-Hexanone	ND		6.2	25
2-Butanone (MEK)	ND		6.6	50
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND UJ		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Dibromochloromethane	ND		1.6	5.0
Chloroethane	ND UJ		1.6	5.0
Chloroform	4.6	J	1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Ethylbenzene	ND		3.7	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	180		2.3	5.0
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
Sdg Number: 480-91840-1

Client Sample ID: AOC PSTMW-1SR-113015

Lab Sample ID: 480-91840-13
Client Matrix: Water

Date Sampled: 11/30/2015 1235
Date Received: 12/01/2015 1100

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-278268	Instrument ID:	HP5975T
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	T2729.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/05/2015 0628			Final Weight/Volume:	5 mL
Prep Date:	12/05/2015 0628				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND UJ		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND UJ		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	93		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-1D-120215

Lab Sample ID: 480-92124-1
Client Matrix: Ground Water

Date Sampled: 12/02/2015 1350
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279053	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5494.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/10/2015 1342			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1342				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	1.2		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND	UJ	1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	UJ	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND	UJ	0.69	1.0
Carbon disulfide	ND	UJ	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	1.9		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	9.9		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	87		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	86		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-1S-120215

Lab Sample ID: 480-92124-2
Client Matrix: Ground Water

Date Sampled: 12/02/2015 1359
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279053	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5495.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/10/2015 1408			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1408				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
2-Hexanone	ND		12	50
2-Butanone (MEK)	ND	UJ	13	100
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND	UJ	30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND	UJ	6.9	10
Carbon disulfide	ND	UJ	1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Dibromochloromethane	ND		3.2	10
Chloroethane	ND		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	54		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Ethylbenzene	ND		7.4	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	ND		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Vinyl chloride	140		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	87		71 - 126
4-Bromofluorobenzene (Surr)	87		73 - 120
Dibromofluoromethane (Surr)	87		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-1P-120215

Lab Sample ID: 480-92124-3
Client Matrix: Water

Date Sampled: 12/02/2015 1409
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279053	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5496.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/10/2015 1435			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1435				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	2.3		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND	UJ	1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	UJ	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND	UJ	0.69	1.0
Carbon disulfide	ND	UJ	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
Toluene-d8 (Surr)	93		71 - 126
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: **OSMW-2P-120215**

Lab Sample ID: 480-92124-4
Client Matrix: Water

Date Sampled: 12/02/2015 1426
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279053	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5497.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/10/2015 1502			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1502				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	5.2		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND	UJ	1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	UJ	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND	UJ	0.69	1.0
Carbon disulfide	ND	UJ	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	18		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	20		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	92		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-5S-120215

Lab Sample ID: 480-92124-5
Client Matrix: Water

Date Sampled: 12/02/2015 1449
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279053	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5498.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/10/2015 1529			Final Weight/Volume:	5 mL
Prep Date:	12/10/2015 1529				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	3.0		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND	UJ	1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	UJ	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND	UJ	0.69	1.0
Carbon disulfide	ND	UJ	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	16		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	0.92	J	0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	7.0		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	92		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-3S-120315

Lab Sample ID: 480-92124-6
Client Matrix: Water

Date Sampled: 12/03/2015 0830
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5519.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0009			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0009				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	0.96	J	0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	88		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-3D-120315

Lab Sample ID: 480-92124-7
Client Matrix: Water

Date Sampled: 12/03/2015 0840
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5520.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0036			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0036				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	0.46	J	0.38	1.0
1,1-Dichloroethene	0.59	J	0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	0.81	J	0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene 410	~~360~~	~~E~~	~~0.81~~ 81	~~1.0~~ 10
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	12		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	1.2		0.46	1.0
Vinyl chloride	21		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-3D-120315

Lab Sample ID: 480-92124-7
Client Matrix: Water

Date Sampled: 12/03/2015 0840
Date Received 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279287	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5548.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 1358	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1358				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
2-Hexanone	ND		12	50
2-Butanone (MEK)	ND		13	100
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND		6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Dibromochloromethane	ND		3.2	10
Chloroethane	ND		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	410		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Ethylbenzene	ND		7.4	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	13		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Vinyl chloride	20		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	87		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: AOC PST MW-2S-120315

Lab Sample ID: 480-92124-8
Client Matrix: Water

Date Sampled: 12/03/2015 0858
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5521.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0102			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0102				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	17		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	1.4		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	2.1		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	90		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: **AF-25P-120315**

Lab Sample ID: 480-92124-9
Client Matrix: Water

Date Sampled: 12/03/2015 0915
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5522.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0129			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0129				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	360		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	59		1.9	5.0
1,1-Dichloroethene	42		1.5	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
2-Hexanone	ND		6.2	25
2-Butanone (MEK)	ND		6.6	50
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND UJ		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Dibromochloromethane	ND		1.6	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	43		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Ethylbenzene	ND		3.7	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	5.2		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	5.2		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	360		2.3	5.0
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
Toluene-d8 (Surr)	93		71 - 126
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	96		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: **AF-21D-120315**

Lab Sample ID: 480-92124-10
Client Matrix: Water

Date Sampled: 12/03/2015 0930
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5523.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0156			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0156				

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Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	88		73 - 120
Dibromofluoromethane (Surr)	86		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: AF-9S-120315

Lab Sample ID: 480-92124-11
Client Matrix: Water

Date Sampled: 12/03/2015 0945
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5524.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0223			Final Weight/Volume:	5 mL
Prep Date.	12/11/2015 0223				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	0.44	J	0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	UJ	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	88		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: **TMW-2S-120315**

Lab Sample ID: 480-92124-12
Client Matrix: Water

Date Sampled: 12/03/2015 1005
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5525.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0249			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0249				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.62	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	86		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: TMW-2D-120315

Lab Sample ID: 480-92124-13
Client Matrix: Water

Date Sampled: 12/03/2015 1010
Date Received 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: 5030C
Dilution: 5 0
Analysis Date: 12/11/2015 0316
Prep Date: 12/11/2015 0316

Analysis Batch: 480-279217
Prep Batch: N/A

Instrument ID: HP5973N
Lab File ID: N5526.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
2-Hexanone	ND		6.2	25
2-Butanone (MEK)	ND		6.6	50
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND UJ		15	50
Benzene	3.3	J	2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Dibromochloromethane	ND		1.6	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene 740	~~640~~	~~E~~	~~4.1~~ 8.1	~~5.0~~ 10
cis-1,3-Dichloropropene	ND		1.8	5.0
Ethylbenzene	ND		3.7	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	170		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	2.6	J	2.3	5.0
Vinyl chloride	31		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	89		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: TMW-2D-120315

Lab Sample ID: 480-92124-13
Client Matrix: Water

Date Sampled: 12/03/2015 1010
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279287	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5549.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 1425	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1425				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
2-Hexanone	ND		12	50
2-Butanone (MEK)	ND		13	100
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND		6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Dibromochloromethane	ND		3.2	10
Chloroethane	ND		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	740		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Ethylbenzene	ND		7.4	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	190		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Vinyl chloride	39		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: AF-24P-120315

Lab Sample ID: 480-92124-14
Client Matrix: Water

Date Sampled: 12/03/2015 1020
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5527.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0343			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0343				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	350	~~F1~~	8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	110		3.8	10
1,1-Dichloroethene	59		2.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
2-Hexanone	ND		12	50
2-Butanone (MEK)	ND		13	100
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND UJ		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND	~~F2~~	6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Dibromochloromethane	ND		3.2	10
Chloroethane	ND		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	220		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Ethylbenzene	ND		7.4	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	8.0	J	3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	110		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	480 J	~~F1~~	4.6	10
Vinyl chloride	36		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	88		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-5D-120315

Lab Sample ID: 480-92124-15
Client Matrix: Water

Date Sampled: 12/03/2015 1110
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5528.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0410			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0410				

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Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1.6	2.0
1,1,2,2-Tetrachloroethane	ND		0.42	2.0
1,1,2-Trichloroethane	ND		0.46	2.0
1,1-Dichloroethane	ND		0.76	2.0
1,1-Dichloroethene	ND		0.58	2.0
1,2-Dichloroethane	ND		0.42	2.0
1,2-Dichloropropane	ND		1.4	2.0
2-Hexanone	ND		2.5	10
2-Butanone (MEK)	ND		2.6	20
4-Methyl-2-pentanone (MIBK)	ND		4.2	10
Acetone	ND UJ		6.0	20
Benzene	ND		0.82	2.0
Bromodichloromethane	ND		0.78	2.0
Bromoform	ND		0.52	2.0
Bromomethane	ND		1.4	2.0
Carbon disulfide	ND		0.38	2.0
Carbon tetrachloride	ND		0.54	2.0
Chlorobenzene	ND		1.5	2.0
Dibromochloromethane	ND		0.64	2.0
Chloroethane	ND		0.64	2.0
Chloroform	ND		0.68	2.0
Chloromethane	ND		0.70	2.0
cis-1,2-Dichloroethene	290 ~~280~~	E	~~1.6~~ 4.1	~~2.0~~ 8.0
cis-1,3-Dichloropropene	ND		0.72	2.0
Ethylbenzene	ND		1.5	2.0
Methylene Chloride	ND		0.88	2.0
Styrene	ND		1.5	2.0
Tetrachloroethene	ND		0.72	2.0
Toluene	ND		1.0	2.0
trans-1,2-Dichloroethene	6.0		1.8	2.0
trans-1,3-Dichloropropene	ND		0.74	2.0
Trichloroethene	ND		0.92	2.0
Vinyl chloride	19		1.8	2.0
Xylenes, Total	ND		1.3	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-5D-120315

Lab Sample ID: 480-92124-15
Client Matrix: Water

Date Sampled: 12/03/2015 1110
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279287	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5550.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 1452	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1452				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
2-Hexanone	ND		6.2	25
2-Butanone (MEK)	ND		6.6	50
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Dibromochloromethane	ND		1.6	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	290		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Ethylbenzene	ND		3.7	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	5.5		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Vinyl chloride	19		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-7D-120315

Lab Sample ID: 480-92124-16
Client Matrix: Water

Date Sampled: 12/03/2015 1141
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5529.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0437			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0437				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND	UJ	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	6.3		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	87		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-8S-120315

Lab Sample ID: 480-92124-17
Client Matrix: Water

Date Sampled: 12/03/2015 1235
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5530.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0504			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0504				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	9.5		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	2.8		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	2.3		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
Toluene-d8 (Surr)	86		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	89		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-8D-120315

Lab Sample ID: 480-92124-18
Client Matrix: Water

Date Sampled: 12/03/2015 1245
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5531.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0531			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0531				

DUP

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	0.42	J	0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	10		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	55		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		66 - 137
Toluene-d8 (Surr)	87		71 - 126
4-Bromofluorobenzene (Surr)	89		73 - 120
Dibromofluoromethane (Surr)	90		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-6S-120315

Lab Sample ID: 480-92124-19
Client Matrix: Water

Date Sampled: 12/03/2015 1203
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5532.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0558			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0558				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	0.88	J	0.38	1.0
1,1-Dichloroethene	1.2		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	9.7		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	2.7		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	88		71 - 126
4-Bromofluorobenzene (Surr)	89		73 - 120
Dibromofluoromethane (Surr)	88		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: OSMW-6D-120315

Lab Sample ID: 480-92124-20
Client Matrix: Water

Date Sampled: 12/03/2015 1215
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5533.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0625			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0625				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	5.1		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
2-Hexanone	ND		6.2	25
2-Butanone (MEK)	ND		6.6	50
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND UJ		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Dibromochloromethane	ND		1.6	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	26		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Ethylbenzene	ND		3.7	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Vinyl chloride	240		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	87		71 - 126
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: H-221 120315

Lab Sample ID: 480-92124-21
Client Matrix: Ground Water

Date Sampled: 12/03/2015 1310
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279217	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5534.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 0652			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 0652				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	18		1.6	2.0
1,1,2,2-Tetrachloroethane	ND		0.42	2.0
1,1,2-Trichloroethane	ND		0.46	2.0
1,1-Dichloroethane	3.5		0.76	2.0
1,1-Dichloroethene	ND		0.58	2.0
1,2-Dichloroethane	ND		0.42	2.0
1,2-Dichloropropane	ND		1.4	2.0
2-Hexanone	ND		2.5	10
2-Butanone (MEK)	ND		2.6	20
4-Methyl-2-pentanone (MIBK)	ND		4.2	10
Acetone	ND UJ		6.0	20
Benzene	ND		0.82	2.0
Bromodichloromethane	ND		0.78	2.0
Bromoform	ND		0.52	2.0
Bromomethane	ND		1.4	2.0
Carbon disulfide	ND		0.38	2.0
Carbon tetrachloride	ND		0.54	2.0
Chlorobenzene	ND		1.5	2.0
Dibromochloromethane	ND		0.64	2.0
Chloroethane	ND		0.64	2.0
Chloroform	ND		0.68	2.0
Chloromethane	ND		0.70	2.0
cis-1,2-Dichloroethene	ND		1.6	2.0
cis-1,3-Dichloropropene	ND		0.72	2.0
Ethylbenzene	ND		1.5	2.0
Methylene Chloride	ND		0.88	2.0
Styrene	ND		1.5	2.0
Tetrachloroethene	ND		0.72	2.0
Toluene	ND		1.0	2.0
trans-1,2-Dichloroethene	ND		1.8	2.0
trans-1,3-Dichloropropene	ND		0.74	2.0
Trichloroethene	45		0.92	2.0
Vinyl chloride	ND		1.8	2.0
Xylenes, Total	ND		1.3	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	88		73 - 120
Dibromofluoromethane (Surr)	93		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: AF-7P-120315

Lab Sample ID: 480-92124-22
Client Matrix: Water

Date Sampled: 12/03/2015 1445
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279500	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5608.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2015 1553			Final Weight/Volume:	5 mL
Prep Date:	12/13/2015 1553				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	1.5		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	2.7		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	98		71 - 126
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	95		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: AF-7D-120315

Lab Sample ID: 480-92124-23
Client Matrix: Water

Date Sampled: 12/03/2015 1420
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279287	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5552.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 1546			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1546				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND UJ		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	88		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: AF-7S-120315

Lab Sample ID: 480-92124-24
Client Matrix: Water

Date Sampled: 12/03/2015 1435
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279287	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5553.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 1612			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1612				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	7.3		0.38	1.0
1,1-Dichloroethene	2.0		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND UJ		0.35	1.0
cis-1,2-Dichloroethene J 470	~~370~~	~~E~~	~~0.81~~ 81	~~1.0~~ 10
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride J 480	~~420~~	~~E~~ 9	~~0.90~~	~~1.0~~ 10
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	89		71 - 126
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	92		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: **AF-7S-120315**

Lab Sample ID: 480-92124-24
Client Matrix: Water

Date Sampled: 12/03/2015 1435
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279500	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5609.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/13/2015 1619	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/13/2015 1619				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
2-Hexanone	ND		12	50
2-Butanone (MEK)	ND		13	100
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND		6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Dibromochloromethane	ND		3.2	10
Chloroethane	ND		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	470	F1	8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Ethylbenzene	ND		7.4	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	ND		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Vinyl chloride	480	F1	9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	98		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: DUP-01-120315

Lab Sample ID: 480-92124-25
Client Matrix: Water

Date Sampled: 12/03/2015 1200
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279287	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5554.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 1639			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1639				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND UJ		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	91		60 - 140

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 480-92124-26TB
Client Matrix: Water

Date Sampled: 12/03/2015 0000
Date Received: 12/04/2015 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-279287	Instrument ID:	HP5973N
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N5555.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/11/2015 1706			Final Weight/Volume:	5 mL
Prep Date:	12/11/2015 1706				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND UJ		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND UJ		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Ethylbenzene	ND		0.74	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	91		73 - 120
Dibromofluoromethane (Surr)	86		60 - 140

Appendix B

Analytical Laboratory Reports (on CD)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-88317-1
TestAmerica Sample Delivery Group: 480-88317-1
Client Project/Site: GE IRM - Weekly
Sampling Event: GE IRM - Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
10/15/2015 4:19:14 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Job ID: 480-88317-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88317-1

Comments
No additional comments.

Receipt
The samples were received on 10/2/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-267811 recovered outside acceptance criteria, low biased, for 1,2-Dichloroethane, Carbon tetrachloride, and Chloroform. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples are impacted: Trip Blank 100115 (480-88317-1), Influent 100115 (480-88317-2) and Effluent 100115 (480-88317-4).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 100115 (480-88317-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Mixing Tank 100115 (480-88317-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Client Sample ID: Trip Blank 100115 — Lab Sample ID: 480-88317-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 100115 — Lab Sample ID: 480-88317-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	25		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.0		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	48		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.5		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	15		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 100115 — Lab Sample ID: 480-88317-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	23		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	4.6		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.4	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	30		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	4.1		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	79		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	8.1		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Effluent 100115 — Lab Sample ID: 480-88317-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Client Sample ID: Trip Blank 100115

Lab Sample ID: 480-88317-1
Date Collected: 10/01/15 00:00
Matrix: Water
Date Received: 10/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/15 20:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/09/15 20:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/09/15 20:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/09/15 20:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/09/15 20:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/09/15 20:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/09/15 20:33	1
2-Hexanone	ND		5.0	1.2	ug/L			10/09/15 20:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/15 20:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/09/15 20:33	1
Acetone	**19**		10	3.0	ug/L			10/09/15 20:33	1
Benzene	ND		1.0	0.41	ug/L			10/09/15 20:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/09/15 20:33	1
Bromoform	ND		1.0	0.26	ug/L			10/09/15 20:33	1
Bromomethane	ND		1.0	0.69	ug/L			10/09/15 20:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/09/15 20:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/09/15 20:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/09/15 20:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/09/15 20:33	1
Chloroethane	ND		1.0	0.32	ug/L			10/09/15 20:33	1
Chloroform	ND		1.0	0.34	ug/L			10/09/15 20:33	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/15 20:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/09/15 20:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/09/15 20:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/15 20:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/09/15 20:33	1
Styrene	ND		1.0	0.73	ug/L			10/09/15 20:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/09/15 20:33	1
Toluene	ND		1.0	0.51	ug/L			10/09/15 20:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/09/15 20:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/09/15 20:33	1
Trichloroethene	ND		1.0	0.46	ug/L			10/09/15 20:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/15 20:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/15 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*10/09/15 20:33*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*10/09/15 20:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/09/15 20:33*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*10/09/15 20:33*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Client Sample ID: Influent 100115

Date Collected: 10/01/15 06:40
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88317-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**25**		2.0	1.6	ug/L			10/09/15 20:06	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/09/15 20:06	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/09/15 20:06	2
1,1-Dichloroethane	**5.4**		2.0	0.76	ug/L			10/09/15 20:06	2
1,1-Dichloroethene	**2.0**		2.0	0.58	ug/L			10/09/15 20:06	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/09/15 20:06	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/09/15 20:06	2
2-Hexanone	ND		10	2.5	ug/L			10/09/15 20:06	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/09/15 20:06	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/09/15 20:06	2
Acetone	ND		20	6.0	ug/L			10/09/15 20:06	2
Benzene	ND		2.0	0.82	ug/L			10/09/15 20:06	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/09/15 20:06	2
Bromoform	ND		2.0	0.52	ug/L			10/09/15 20:06	2
Bromomethane	ND		2.0	1.4	ug/L			10/09/15 20:06	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/09/15 20:06	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/09/15 20:06	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/09/15 20:06	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/09/15 20:06	2
Chloroethane	ND		2.0	0.64	ug/L			10/09/15 20:06	2
Chloroform	ND		2.0	0.68	ug/L			10/09/15 20:06	2
Chloromethane	ND		2.0	0.70	ug/L			10/09/15 20:06	2
cis-1,2-Dichloroethene	**48**		2.0	1.6	ug/L			10/09/15 20:06	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/09/15 20:06	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/09/15 20:06	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/09/15 20:06	2
Styrene	ND		2.0	1.5	ug/L			10/09/15 20:06	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/09/15 20:06	2
Toluene	ND		2.0	1.0	ug/L			10/09/15 20:06	2
trans-1,2-Dichloroethene	**6.5**		2.0	1.8	ug/L			10/09/15 20:06	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/09/15 20:06	2
Trichloroethene	**100**		2.0	0.92	ug/L			10/09/15 20:06	2
Vinyl chloride	**15**		2.0	1.8	ug/L			10/09/15 20:06	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/09/15 20:06	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*10/09/15 20:06*	*2*
Toluene-d8 (Surr)	*99*		*71 - 126*		*10/09/15 20:06*	*2*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/09/15 20:06*	*2*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*10/09/15 20:06*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Client Sample ID: Mixing Tank 100115

Lab Sample ID: 480-88317-3

Date Collected: 10/01/15 06:38
Matrix: Water
Date Received: 10/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**23**		2.0	1.6	ug/L			10/14/15 12:10	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/14/15 12:10	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/14/15 12:10	2
1,1-Dichloroethane	**4.6**		2.0	0.76	ug/L			10/14/15 12:10	2
1,1-Dichloroethene	**1.4**	**J**	2.0	0.58	ug/L			10/14/15 12:10	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/14/15 12:10	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/14/15 12:10	2
2-Hexanone	ND		10	2.5	ug/L			10/14/15 12:10	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/14/15 12:10	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/14/15 12:10	2
Acetone	ND		20	6.0	ug/L			10/14/15 12:10	2
Benzene	ND		2.0	0.82	ug/L			10/14/15 12:10	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/14/15 12:10	2
Bromoform	ND		2.0	0.52	ug/L			10/14/15 12:10	2
Bromomethane	ND		2.0	1.4	ug/L			10/14/15 12:10	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/14/15 12:10	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/14/15 12:10	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/14/15 12:10	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/14/15 12:10	2
Chloroethane	ND		2.0	0.64	ug/L			10/14/15 12:10	2
Chloroform	ND		2.0	0.68	ug/L			10/14/15 12:10	2
Chloromethane	ND		2.0	0.70	ug/L			10/14/15 12:10	2
cis-1,2-Dichloroethene	**30**		2.0	1.6	ug/L			10/14/15 12:10	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/14/15 12:10	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/14/15 12:10	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/14/15 12:10	2
Styrene	ND		2.0	1.5	ug/L			10/14/15 12:10	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/14/15 12:10	2
Toluene	ND		2.0	1.0	ug/L			10/14/15 12:10	2
trans-1,2-Dichloroethene	**4.1**		2.0	1.8	ug/L			10/14/15 12:10	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/14/15 12:10	2
Trichloroethene	**79**		2.0	0.92	ug/L			10/14/15 12:10	2
Vinyl chloride	**8.1**		2.0	1.8	ug/L			10/14/15 12:10	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/14/15 12:10	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*66 - 137*		*10/14/15 12:10*	*2*
Toluene-d8 (Surr)	*89*		*71 - 126*		*10/14/15 12:10*	*2*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*10/14/15 12:10*	*2*
Dibromofluoromethane (Surr)	*85*		*60 - 140*		*10/14/15 12:10*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Client Sample ID: Effluent 100115

Lab Sample ID: 480-88317-4

Date Collected: 10/01/15 06:35
Matrix: Water
Date Received: 10/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/15 19:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/09/15 19:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/09/15 19:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/09/15 19:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/09/15 19:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/09/15 19:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/09/15 19:12	1
2-Hexanone	ND		5.0	1.2	ug/L			10/09/15 19:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/15 19:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/09/15 19:12	1
Acetone	ND		10	3.0	ug/L			10/09/15 19:12	1
Benzene	ND		1.0	0.41	ug/L			10/09/15 19:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/09/15 19:12	1
Bromoform	ND		1.0	0.26	ug/L			10/09/15 19:12	1
Bromomethane	ND		1.0	0.69	ug/L			10/09/15 19:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/09/15 19:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/09/15 19:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/09/15 19:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/09/15 19:12	1
Chloroethane	ND		1.0	0.32	ug/L			10/09/15 19:12	1
Chloroform	ND		1.0	0.34	ug/L			10/09/15 19:12	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/15 19:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/09/15 19:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/09/15 19:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/15 19:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/09/15 19:12	1
Styrene	ND		1.0	0.73	ug/L			10/09/15 19:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/09/15 19:12	1
Toluene	ND		1.0	0.51	ug/L			10/09/15 19:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/09/15 19:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/09/15 19:12	1
Trichloroethene	ND		1.0	0.46	ug/L			10/09/15 19:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/15 19:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/15 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*10/09/15 19:12*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*10/09/15 19:12*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/09/15 19:12*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*10/09/15 19:12*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-88317-1	Trip Blank 100115	98	100	97	96
480-88317-2	Influent 100115	97	99	95	99
480-88317-3	Mixing Tank 100115	77	89	113	85
480-88317-4	Effluent 100115	95	101	97	98
LCS 480-267811/4	Lab Control Sample	94	101	103	96
LCS 480-268644/5	Lab Control Sample	79	90	113	86
MB 480-267811/6	Method Blank	95	102	102	99
MB 480-268644/8	Method Blank	77	91	113	85

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-267811/6
Matrix: Water
Analysis Batch: 267811

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/15 12:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/09/15 12:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/09/15 12:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/09/15 12:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/09/15 12:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/09/15 12:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/09/15 12:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/09/15 12:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/09/15 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/09/15 12:11	1
Acetone	ND		10	3.0	ug/L			10/09/15 12:11	1
Benzene	ND		1.0	0.41	ug/L			10/09/15 12:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/09/15 12:11	1
Bromoform	ND		1.0	0.26	ug/L			10/09/15 12:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/09/15 12:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/09/15 12:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/09/15 12:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/09/15 12:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/09/15 12:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/09/15 12:11	1
Chloroform	ND		1.0	0.34	ug/L			10/09/15 12:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/15 12:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/09/15 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/09/15 12:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/15 12:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/09/15 12:11	1
Styrene	ND		1.0	0.73	ug/L			10/09/15 12:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/09/15 12:11	1
Toluene	ND		1.0	0.51	ug/L			10/09/15 12:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/09/15 12:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/09/15 12:11	1
Trichloroethene	ND		1.0	0.46	ug/L			10/09/15 12:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/09/15 12:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/15 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*10/09/15 12:11*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*10/09/15 12:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/09/15 12:11*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*10/09/15 12:11*	*1*

Lab Sample ID: LCS 480-267811/4
Matrix: Water
Analysis Batch: 267811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	19.5		ug/L		78	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 126

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

Lab Sample ID: LCS 480-267811/4
Matrix: Water
Analysis Batch: 267811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	21.6		ug/L		86	71 - 129
1,1-Dichloroethene	25.0	20.3		ug/L		81	58 - 121
1,2-Dichloroethane	25.0	20.9		ug/L		83	75 - 127
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
2-Hexanone	125	126		ug/L		101	65 - 127
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	122		ug/L		97	56 - 142
Benzene	25.0	22.0		ug/L		88	71 - 124
Bromodichloromethane	25.0	22.9		ug/L		92	80 - 122
Bromoform	25.0	22.6		ug/L		91	52 - 132
Bromomethane	25.0	20.7		ug/L		83	55 - 144
Carbon disulfide	25.0	20.8		ug/L		83	59 - 134
Carbon tetrachloride	25.0	19.3		ug/L		77	72 - 134
Chlorobenzene	25.0	22.5		ug/L		90	72 - 120
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Chloroethane	25.0	22.0		ug/L		88	69 - 136
Chloroform	25.0	20.1		ug/L		80	73 - 127
Chloromethane	25.0	18.7		ug/L		75	68 - 124
cis-1,2-Dichloroethene	25.0	22.0		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Ethylbenzene	25.0	22.5		ug/L		90	77 - 123
Methylene Chloride	25.0	24.2		ug/L		97	57 - 132
Styrene	25.0	24.1		ug/L		96	70 - 130
Tetrachloroethene	25.0	22.0		ug/L		88	74 - 122
Toluene	25.0	24.9		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	20.3		ug/L		81	73 - 127
trans-1,3-Dichloropropene	25.0	26.9		ug/L		107	72 - 123
Trichloroethene	25.0	20.9		ug/L		84	74 - 123
Vinyl chloride	25.0	19.4		ug/L		77	65 - 133
Xylenes, Total	50.0	47.4		ug/L		95	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*60 - 140*

Lab Sample ID: MB 480-268644/8
Matrix: Water
Analysis Batch: 268644

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/14/15 11:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/14/15 11:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/14/15 11:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/14/15 11:32	1

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

Lab Sample ID: MB 480-268644/8
Matrix: Water
Analysis Batch: 268644

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/14/15 11:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/14/15 11:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/14/15 11:32	1
2-Hexanone	ND		5.0	1.2	ug/L			10/14/15 11:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/14/15 11:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/14/15 11:32	1
Acetone	ND		10	3.0	ug/L			10/14/15 11:32	1
Benzene	ND		1.0	0.41	ug/L			10/14/15 11:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/14/15 11:32	1
Bromoform	ND		1.0	0.26	ug/L			10/14/15 11:32	1
Bromomethane	ND		1.0	0.69	ug/L			10/14/15 11:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/14/15 11:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/14/15 11:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/14/15 11:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/14/15 11:32	1
Chloroethane	ND		1.0	0.32	ug/L			10/14/15 11:32	1
Chloroform	ND		1.0	0.34	ug/L			10/14/15 11:32	1
Chloromethane	ND		1.0	0.35	ug/L			10/14/15 11:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/14/15 11:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/14/15 11:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/14/15 11:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/14/15 11:32	1
Styrene	ND		1.0	0.73	ug/L			10/14/15 11:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/14/15 11:32	1
Toluene	ND		1.0	0.51	ug/L			10/14/15 11:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/14/15 11:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/14/15 11:32	1
Trichloroethene	ND		1.0	0.46	ug/L			10/14/15 11:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/14/15 11:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/14/15 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*66 - 137*		*10/14/15 11:32*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*10/14/15 11:32*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*10/14/15 11:32*	*1*
Dibromofluoromethane (Surr)	*85*		*60 - 140*		*10/14/15 11:32*	*1*

Lab Sample ID: LCS 480-268644/5
Matrix: Water
Analysis Batch: 268644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	70 - 126
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	23.9		ug/L		96	58 - 121
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 127

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

Lab Sample ID: LCS 480-268644/5
Matrix: Water
Analysis Batch: 268644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
2-Hexanone	125	116		ug/L		93	65 - 127
2-Butanone (MEK)	125	113		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	118		ug/L		95	56 - 142
Benzene	25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	25.0	23.1		ug/L		93	80 - 122
Bromoform	25.0	24.4		ug/L		97	52 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	25.4		ug/L		102	59 - 134
Carbon tetrachloride	25.0	26.1		ug/L		104	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	72 - 120
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125
Chloroethane	25.0	22.6		ug/L		91	69 - 136
Chloroform	25.0	25.3		ug/L		101	73 - 127
Chloromethane	25.0	24.2		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	24.1		ug/L		96	74 - 124
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Methylene Chloride	25.0	25.0		ug/L		100	57 - 132
Styrene	25.0	24.4		ug/L		98	70 - 130
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	72 - 123
Trichloroethene	25.0	25.1		ug/L		100	74 - 123
Vinyl chloride	25.0	25.7		ug/L		103	65 - 133
Xylenes, Total	50.0	48.6		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*66 - 137*
Toluene-d8 (Surr)	*90*		*71 - 126*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*86*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

GC/MS VOA

Analysis Batch: 267811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88317-1	Trip Blank 100115	Total/NA	Water	8260C	
480-88317-2	Influent 100115	Total/NA	Water	8260C	
480-88317-4	Effluent 100115	Total/NA	Water	8260C	
LCS 480-267811/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-267811/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 268644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88317-3	Mixing Tank 100115	Total/NA	Water	8260C	
LCS 480-268644/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-268644/8	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Client Sample ID: Trip Blank 100115 — Lab Sample ID: 480-88317-1

Date Collected: 10/01/15 00:00 — **Matrix: Water**
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267811	10/09/15 20:33	SWO	TAL BUF

Client Sample ID: Influent 100115 — Lab Sample ID: 480-88317-2

Date Collected: 10/01/15 06:40 — **Matrix: Water**
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	267811	10/09/15 20:06	SWO	TAL BUF

Client Sample ID: Mixing Tank 100115 — Lab Sample ID: 480-88317-3

Date Collected: 10/01/15 06:38 — **Matrix: Water**
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	268644	10/14/15 12:10	GTG	TAL BUF

Client Sample ID: Effluent 100115 — Lab Sample ID: 480-88317-4

Date Collected: 10/01/15 06:35 — **Matrix: Water**
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267811	10/09/15 19:12	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	11-30-15 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP	1	2973	09-11-16
New Jersey	NELAP	2	NY455	09-30-15 *
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16
West Virginia DEP	State Program	3	252	09-30-15 *
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Weekly

TestAmerica Job ID: 480-88317-1
SDG: 480-88317-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88317-1	Trip Blank 100115	Water	10/01/15 00:00	10/02/15 09:30
480-88317-2	Influent 100115	Water	10/01/15 06:40	10/02/15 09:30
480-88317-3	Mixing Tank 100115	Water	10/01/15 06:38	10/02/15 09:30
480-88317-4	Effluent 100115	Water	10/01/15 06:35	10/02/15 09:30

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Buffalo

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 10-1-15	Chain of Custody Number: 289793
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 404-804-1220	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schone	Analysis (Attach list if more space is needed)
Project Name and Location (State): GE-FRM OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1131127			

480-88317 Chain of Custody

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOCs (8260)
Trip Blank 100115	10-1-15			X						2				X
Influent 100115	↓	6:40		X						3				X
Mixing Tank 100115	↓	6:30		X						3				X
Effluent 100115	↓	6:35		X						3				X

Cincinnati 210501

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

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

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

QC Requirements (Specify)

1. Relinquished By: Mike McLaughlin	Date: 10-1-15	Time: 8:39	1. Received By: Dellie [illegible]	Date: 10/1/15	Time: 8:39
2. Relinquished By: Dellie [illegible]	Date: 10/1/15	Time: 8:39	2. Received By: [illegible]	Date: 10/2/15	Time: 09 30
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 3.0 #1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-88317-1
SDG Number: 480-88317-1

Login Number: 88317
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	OBG
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	

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-88319-1
TestAmerica Sample Delivery Group: 480-88319-1
Client Project/Site: GE IRM - Monthly
Sampling Event: GE IRM - Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
10/13/2015 6:13:44 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-88319-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88319-1

Comments
No additional comments.

Receipt
The samples were received on 10/2/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-268124 recovered outside acceptance criteria, low biased, for Several Analytes. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-268124 was outside the method criteria for the following analyte: Vinyl Chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following samples are impacted: EW 7S 100115 (480-88319-1) and EW 8D 100115 (480-88319-2).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW 7S 100115 (480-88319-1), EW 3D 100115 (480-88319-3), EW 3D 100115 MS (480-88319-3[MS]), EW 3D 100115 MSD (480-88319-3[MSD]), EW 5P 100115 (480-88319-4), EW 4P 100115 (480-88319-5), EW 2P 100115 (480-88319-6), EW 6P 100115 (480-88319-7) and APP-100 100115 (480-88319-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for batch analytical batch 480-268124 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.EW 7S 100115 (480-88319-1), EW 8D 100115 (480-88319-2), EW 3D 100115 (480-88319-3), EW 5P 100115 (480-88319-4), EW 4P 100115 (480-88319-5), EW 2P 100115 (480-88319-6), EW 6P 100115 (480-88319-7) and APP-100 100115 (480-88319-8).

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 7S 100115 — Lab Sample ID: 480-88319-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	200		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	210	^	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW 8D 100115 — Lab Sample ID: 480-88319-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.5		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	4.2	^	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW 3D 100115 — Lab Sample ID: 480-88319-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150	F1	4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	27	F1	4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	200	F1	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW 5P 100115 — Lab Sample ID: 480-88319-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	94		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	24		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	7.4		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	26		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	190		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW 4P 100115 — Lab Sample ID: 480-88319-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	79		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	22		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	7.1		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	24		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	170		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW 2P 100115 — Lab Sample ID: 480-88319-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	92		8.0	6.6	ug/L	8		8260C	Total/NA
1,1-Dichloroethane	9.4		8.0	3.0	ug/L	8		8260C	Total/NA
1,1-Dichloroethene	3.5	J	8.0	2.3	ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene	13		8.0	6.5	ug/L	8		8260C	Total/NA
Trichloroethene	200		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: EW 6P 100115 — Lab Sample ID: 480-88319-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	36		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	5.4		4.0	1.5	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 6P 100115 (Continued) — Lab Sample ID: 480-88319-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	130		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: APP-100 100115 — Lab Sample ID: 480-88319-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	37		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	5.1		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	11		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	120		4.0	1.8	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 7S 100115

Date Collected: 10/01/15 08:08
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-1

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/11/15 12:03	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/11/15 12:03	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/11/15 12:03	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/11/15 12:03	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/11/15 12:03	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/11/15 12:03	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/11/15 12:03	4
2-Hexanone	ND		20	5.0	ug/L			10/11/15 12:03	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/11/15 12:03	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/11/15 12:03	4
Acetone	ND		40	12	ug/L			10/11/15 12:03	4
Benzene	ND		4.0	1.6	ug/L			10/11/15 12:03	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/11/15 12:03	4
Bromoform	ND		4.0	1.0	ug/L			10/11/15 12:03	4
Bromomethane	ND	*	4.0	2.8	ug/L			10/11/15 12:03	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/11/15 12:03	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/11/15 12:03	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/11/15 12:03	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/11/15 12:03	4
Chloroethane	ND		4.0	1.3	ug/L			10/11/15 12:03	4
Chloroform	ND		4.0	1.4	ug/L			10/11/15 12:03	4
Chloromethane	ND		4.0	1.4	ug/L			10/11/15 12:03	4
cis-1,2-Dichloroethene	**200**		4.0	3.2	ug/L			10/11/15 12:03	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/11/15 12:03	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/11/15 12:03	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/11/15 12:03	4
Styrene	ND		4.0	2.9	ug/L			10/11/15 12:03	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/11/15 12:03	4
Toluene	ND		4.0	2.0	ug/L			10/11/15 12:03	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/11/15 12:03	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/11/15 12:03	4
Trichloroethene	ND		4.0	1.8	ug/L			10/11/15 12:03	4
Vinyl chloride	**210**	^	4.0	3.6	ug/L			10/11/15 12:03	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/11/15 12:03	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/11/15 12:03*	*4*
Toluene-d8 (Surr)	*100*		*71 - 126*		*10/11/15 12:03*	*4*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/11/15 12:03*	*4*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*10/11/15 12:03*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 8D 100115

Date Collected: 10/01/15 08:05
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-2

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/11/15 12:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/11/15 12:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/11/15 12:25	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			10/11/15 12:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/11/15 12:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/11/15 12:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/11/15 12:25	1
2-Hexanone	ND		5.0	1.2	ug/L			10/11/15 12:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/11/15 12:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/11/15 12:25	1
Acetone	ND		10	3.0	ug/L			10/11/15 12:25	1
Benzene	ND		1.0	0.41	ug/L			10/11/15 12:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/11/15 12:25	1
Bromoform	ND		1.0	0.26	ug/L			10/11/15 12:25	1
Bromomethane	ND	*	1.0	0.69	ug/L			10/11/15 12:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/11/15 12:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/11/15 12:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/11/15 12:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/11/15 12:25	1
Chloroethane	ND		1.0	0.32	ug/L			10/11/15 12:25	1
Chloroform	ND		1.0	0.34	ug/L			10/11/15 12:25	1
Chloromethane	ND		1.0	0.35	ug/L			10/11/15 12:25	1
cis-1,2-Dichloroethene	**4.5**		1.0	0.81	ug/L			10/11/15 12:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/11/15 12:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/15 12:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/11/15 12:25	1
Styrene	ND		1.0	0.73	ug/L			10/11/15 12:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/11/15 12:25	1
Toluene	ND		1.0	0.51	ug/L			10/11/15 12:25	1
trans-1,2-Dichloroethene	**1.6**		1.0	0.90	ug/L			10/11/15 12:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/11/15 12:25	1
Trichloroethene	ND		1.0	0.46	ug/L			10/11/15 12:25	1
Vinyl chloride	**4.2**	^	1.0	0.90	ug/L			10/11/15 12:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/15 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/11/15 12:25*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*10/11/15 12:25*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/11/15 12:25*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*10/11/15 12:25*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 3D 100115

Date Collected: 10/01/15 07:35
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-3

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/11/15 12:48	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/11/15 12:48	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/11/15 12:48	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/11/15 12:48	4
1,1-Dichloroethene	ND	F2	4.0	1.2	ug/L			10/11/15 12:48	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/11/15 12:48	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/11/15 12:48	4
2-Hexanone	ND	F2	20	5.0	ug/L			10/11/15 12:48	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/11/15 12:48	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/11/15 12:48	4
Acetone	ND		40	12	ug/L			10/11/15 12:48	4
Benzene	ND		4.0	1.6	ug/L			10/11/15 12:48	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/11/15 12:48	4
Bromoform	ND		4.0	1.0	ug/L			10/11/15 12:48	4
Bromomethane	ND	* F1	4.0	2.8	ug/L			10/11/15 12:48	4
Carbon disulfide	ND	F2	4.0	0.76	ug/L			10/11/15 12:48	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/11/15 12:48	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/11/15 12:48	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/11/15 12:48	4
Chloroethane	ND		4.0	1.3	ug/L			10/11/15 12:48	4
Chloroform	ND		4.0	1.4	ug/L			10/11/15 12:48	4
Chloromethane	ND		4.0	1.4	ug/L			10/11/15 12:48	4
cis-1,2-Dichloroethene	**150**	**F1**	4.0	3.2	ug/L			10/11/15 12:48	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/11/15 12:48	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/11/15 12:48	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/11/15 12:48	4
Styrene	ND		4.0	2.9	ug/L			10/11/15 12:48	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/11/15 12:48	4
Toluene	ND		4.0	2.0	ug/L			10/11/15 12:48	4
trans-1,2-Dichloroethene	**27**	**F1**	4.0	3.6	ug/L			10/11/15 12:48	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/11/15 12:48	4
Trichloroethene	**200**	**F1**	4.0	1.8	ug/L			10/11/15 12:48	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/11/15 12:48	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/11/15 12:48	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*10/11/15 12:48*	*4*
Toluene-d8 (Surr)	*97*		*71 - 126*		*10/11/15 12:48*	*4*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/11/15 12:48*	*4*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*10/11/15 12:48*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 5P 100115

Date Collected: 10/01/15 07:20
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-4

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**94**		5.0	4.1	ug/L			10/11/15 13:10	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/11/15 13:10	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/11/15 13:10	5
1,1-Dichloroethane	**24**		5.0	1.9	ug/L			10/11/15 13:10	5
1,1-Dichloroethene	**7.4**		5.0	1.5	ug/L			10/11/15 13:10	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/11/15 13:10	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/11/15 13:10	5
2-Hexanone	ND		25	6.2	ug/L			10/11/15 13:10	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/11/15 13:10	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/11/15 13:10	5
Acetone	ND		50	15	ug/L			10/11/15 13:10	5
Benzene	ND		5.0	2.1	ug/L			10/11/15 13:10	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/11/15 13:10	5
Bromoform	ND		5.0	1.3	ug/L			10/11/15 13:10	5
Bromomethane	ND	*	5.0	3.5	ug/L			10/11/15 13:10	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/11/15 13:10	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/11/15 13:10	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/11/15 13:10	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/11/15 13:10	5
Chloroethane	ND		5.0	1.6	ug/L			10/11/15 13:10	5
Chloroform	ND		5.0	1.7	ug/L			10/11/15 13:10	5
Chloromethane	ND		5.0	1.8	ug/L			10/11/15 13:10	5
cis-1,2-Dichloroethene	**26**		5.0	4.1	ug/L			10/11/15 13:10	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/11/15 13:10	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/11/15 13:10	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/11/15 13:10	5
Styrene	ND		5.0	3.7	ug/L			10/11/15 13:10	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/11/15 13:10	5
Toluene	ND		5.0	2.6	ug/L			10/11/15 13:10	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/11/15 13:10	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/11/15 13:10	5
Trichloroethene	**190**		5.0	2.3	ug/L			10/11/15 13:10	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/11/15 13:10	5
Xylenes, Total	ND		10	3.3	ug/L			10/11/15 13:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*10/11/15 13:10*	*5*
Toluene-d8 (Surr)	*99*		*71 - 126*		*10/11/15 13:10*	*5*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/11/15 13:10*	*5*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*10/11/15 13:10*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 4P 100115

Date Collected: 10/01/15 07:14
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-5

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**79**		5.0	4.1	ug/L			10/11/15 13:33	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/11/15 13:33	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/11/15 13:33	5
1,1-Dichloroethane	**22**		5.0	1.9	ug/L			10/11/15 13:33	5
1,1-Dichloroethene	**7.1**		5.0	1.5	ug/L			10/11/15 13:33	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/11/15 13:33	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/11/15 13:33	5
2-Hexanone	ND		25	6.2	ug/L			10/11/15 13:33	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/11/15 13:33	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/11/15 13:33	5
Acetone	ND		50	15	ug/L			10/11/15 13:33	5
Benzene	ND		5.0	2.1	ug/L			10/11/15 13:33	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/11/15 13:33	5
Bromoform	ND		5.0	1.3	ug/L			10/11/15 13:33	5
Bromomethane	ND	*	5.0	3.5	ug/L			10/11/15 13:33	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/11/15 13:33	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/11/15 13:33	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/11/15 13:33	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/11/15 13:33	5
Chloroethane	ND		5.0	1.6	ug/L			10/11/15 13:33	5
Chloroform	ND		5.0	1.7	ug/L			10/11/15 13:33	5
Chloromethane	ND		5.0	1.8	ug/L			10/11/15 13:33	5
cis-1,2-Dichloroethene	**24**		5.0	4.1	ug/L			10/11/15 13:33	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/11/15 13:33	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/11/15 13:33	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/11/15 13:33	5
Styrene	ND		5.0	3.7	ug/L			10/11/15 13:33	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/11/15 13:33	5
Toluene	ND		5.0	2.6	ug/L			10/11/15 13:33	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/11/15 13:33	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/11/15 13:33	5
Trichloroethene	**170**		5.0	2.3	ug/L			10/11/15 13:33	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/11/15 13:33	5
Xylenes, Total	ND		10	3.3	ug/L			10/11/15 13:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/11/15 13:33*	*5*
Toluene-d8 (Surr)	*99*		*71 - 126*		*10/11/15 13:33*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/11/15 13:33*	*5*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*10/11/15 13:33*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 2P 100115

Date Collected: 10/01/15 07:10
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-6

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**92**		8.0	6.6	ug/L			10/11/15 13:56	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			10/11/15 13:56	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			10/11/15 13:56	8
1,1-Dichloroethane	**9.4**		8.0	3.0	ug/L			10/11/15 13:56	8
1,1-Dichloroethene	**3.5**	**J**	8.0	2.3	ug/L			10/11/15 13:56	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			10/11/15 13:56	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			10/11/15 13:56	8
2-Hexanone	ND		40	9.9	ug/L			10/11/15 13:56	8
2-Butanone (MEK)	ND		80	11	ug/L			10/11/15 13:56	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			10/11/15 13:56	8
Acetone	ND		80	24	ug/L			10/11/15 13:56	8
Benzene	ND		8.0	3.3	ug/L			10/11/15 13:56	8
Bromodichloromethane	ND		8.0	3.1	ug/L			10/11/15 13:56	8
Bromoform	ND		8.0	2.1	ug/L			10/11/15 13:56	8
Bromomethane	ND	*	8.0	5.5	ug/L			10/11/15 13:56	8
Carbon disulfide	ND		8.0	1.5	ug/L			10/11/15 13:56	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			10/11/15 13:56	8
Chlorobenzene	ND		8.0	6.0	ug/L			10/11/15 13:56	8
Dibromochloromethane	ND		8.0	2.6	ug/L			10/11/15 13:56	8
Chloroethane	ND		8.0	2.6	ug/L			10/11/15 13:56	8
Chloroform	ND		8.0	2.7	ug/L			10/11/15 13:56	8
Chloromethane	ND		8.0	2.8	ug/L			10/11/15 13:56	8
cis-1,2-Dichloroethene	**13**		8.0	6.5	ug/L			10/11/15 13:56	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			10/11/15 13:56	8
Ethylbenzene	ND		8.0	5.9	ug/L			10/11/15 13:56	8
Methylene Chloride	ND		8.0	3.5	ug/L			10/11/15 13:56	8
Styrene	ND		8.0	5.8	ug/L			10/11/15 13:56	8
Tetrachloroethene	ND		8.0	2.9	ug/L			10/11/15 13:56	8
Toluene	ND		8.0	4.1	ug/L			10/11/15 13:56	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			10/11/15 13:56	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			10/11/15 13:56	8
Trichloroethene	**200**		8.0	3.7	ug/L			10/11/15 13:56	8
Vinyl chloride	ND		8.0	7.2	ug/L			10/11/15 13:56	8
Xylenes, Total	ND		16	5.3	ug/L			10/11/15 13:56	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*10/11/15 13:56*	*8*
Toluene-d8 (Surr)	*97*		*71 - 126*		*10/11/15 13:56*	*8*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/11/15 13:56*	*8*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*10/11/15 13:56*	*8*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 6P 100115

Date Collected: 10/01/15 07:00
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-7

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		4.0	3.3	ug/L			10/11/15 14:19	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/11/15 14:19	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/11/15 14:19	4
1,1-Dichloroethane	**5.4**		4.0	1.5	ug/L			10/11/15 14:19	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/11/15 14:19	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/11/15 14:19	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/11/15 14:19	4
2-Hexanone	ND		20	5.0	ug/L			10/11/15 14:19	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/11/15 14:19	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/11/15 14:19	4
Acetone	ND		40	12	ug/L			10/11/15 14:19	4
Benzene	ND		4.0	1.6	ug/L			10/11/15 14:19	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/11/15 14:19	4
Bromoform	ND		4.0	1.0	ug/L			10/11/15 14:19	4
Bromomethane	ND	*	4.0	2.8	ug/L			10/11/15 14:19	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/11/15 14:19	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/11/15 14:19	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/11/15 14:19	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/11/15 14:19	4
Chloroethane	ND		4.0	1.3	ug/L			10/11/15 14:19	4
Chloroform	ND		4.0	1.4	ug/L			10/11/15 14:19	4
Chloromethane	ND		4.0	1.4	ug/L			10/11/15 14:19	4
cis-1,2-Dichloroethene	**11**		4.0	3.2	ug/L			10/11/15 14:19	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/11/15 14:19	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/11/15 14:19	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/11/15 14:19	4
Styrene	ND		4.0	2.9	ug/L			10/11/15 14:19	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/11/15 14:19	4
Toluene	ND		4.0	2.0	ug/L			10/11/15 14:19	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/11/15 14:19	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/11/15 14:19	4
Trichloroethene	**130**		4.0	1.8	ug/L			10/11/15 14:19	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/11/15 14:19	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/11/15 14:19	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*10/11/15 14:19*	*4*
Toluene-d8 (Surr)	*101*		*71 - 126*		*10/11/15 14:19*	*4*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/11/15 14:19*	*4*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*10/11/15 14:19*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: APP-100 100115

Date Collected: 10/01/15 07:00
Date Received: 10/02/15 09:30

Lab Sample ID: 480-88319-8

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**37**		4.0	3.3	ug/L			10/11/15 14:42	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/11/15 14:42	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/11/15 14:42	4
1,1-Dichloroethane	**5.1**		4.0	1.5	ug/L			10/11/15 14:42	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/11/15 14:42	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/11/15 14:42	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/11/15 14:42	4
2-Hexanone	ND		20	5.0	ug/L			10/11/15 14:42	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/11/15 14:42	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/11/15 14:42	4
Acetone	ND		40	12	ug/L			10/11/15 14:42	4
Benzene	ND		4.0	1.6	ug/L			10/11/15 14:42	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/11/15 14:42	4
Bromoform	ND		4.0	1.0	ug/L			10/11/15 14:42	4
Bromomethane	ND	*	4.0	2.8	ug/L			10/11/15 14:42	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/11/15 14:42	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/11/15 14:42	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/11/15 14:42	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/11/15 14:42	4
Chloroethane	ND		4.0	1.3	ug/L			10/11/15 14:42	4
Chloroform	ND		4.0	1.4	ug/L			10/11/15 14:42	4
Chloromethane	ND		4.0	1.4	ug/L			10/11/15 14:42	4
cis-1,2-Dichloroethene	**11**		4.0	3.2	ug/L			10/11/15 14:42	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/11/15 14:42	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/11/15 14:42	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/11/15 14:42	4
Styrene	ND		4.0	2.9	ug/L			10/11/15 14:42	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/11/15 14:42	4
Toluene	ND		4.0	2.0	ug/L			10/11/15 14:42	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/11/15 14:42	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/11/15 14:42	4
Trichloroethene	**120**		4.0	1.8	ug/L			10/11/15 14:42	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/11/15 14:42	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/11/15 14:42	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*10/11/15 14:42*	*4*
Toluene-d8 (Surr)	*100*		*71 - 126*		*10/11/15 14:42*	*4*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/11/15 14:42*	*4*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*10/11/15 14:42*	*4*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-88319-1	EW 7S 100115	99	100	109	103
480-88319-2	EW 8D 100115	101	102	107	101
480-88319-3	EW 3D 100115	102	97	105	104
480-88319-3 MS	EW 3D 100115 MS	98	95	99	103
480-88319-3 MSD	EW 3D 100115 MSD	98	95	101	101
480-88319-4	EW 5P 100115	105	99	110	107
480-88319-5	EW 4P 100115	101	99	106	103
480-88319-6	EW 2P 100115	104	97	104	107
480-88319-7	EW 6P 100115	105	101	107	111
480-88319-8	APP-100 100115	107	100	105	108

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
LCS 480-268124/7	Lab Control Sample	101	101	112	106
MB 480-268124/9	Method Blank	104	100	107	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-268124/9
Matrix: Water
Analysis Batch: 268124

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/11/15 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/11/15 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/11/15 11:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/11/15 11:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/11/15 11:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/11/15 11:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/11/15 11:40	1
2-Hexanone	ND		5.0	1.2	ug/L			10/11/15 11:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/11/15 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/11/15 11:40	1
Acetone	ND		10	3.0	ug/L			10/11/15 11:40	1
Benzene	ND		1.0	0.41	ug/L			10/11/15 11:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/11/15 11:40	1
Bromoform	ND		1.0	0.26	ug/L			10/11/15 11:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/11/15 11:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/11/15 11:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/11/15 11:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/11/15 11:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/11/15 11:40	1
Chloroethane	ND		1.0	0.32	ug/L			10/11/15 11:40	1
Chloroform	ND		1.0	0.34	ug/L			10/11/15 11:40	1
Chloromethane	ND		1.0	0.35	ug/L			10/11/15 11:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/11/15 11:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/11/15 11:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/11/15 11:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/11/15 11:40	1
Styrene	ND		1.0	0.73	ug/L			10/11/15 11:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/11/15 11:40	1
Toluene	ND		1.0	0.51	ug/L			10/11/15 11:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/11/15 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/11/15 11:40	1
Trichloroethene	ND		1.0	0.46	ug/L			10/11/15 11:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/11/15 11:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/11/15 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*10/11/15 11:40*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*10/11/15 11:40*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/11/15 11:40*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*10/11/15 11:40*	*1*

Lab Sample ID: LCS 480-268124/7
Matrix: Water
Analysis Batch: 268124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.5		ug/L		90	70 - 126

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

Lab Sample ID: LCS 480-268124/7
Matrix: Water
Analysis Batch: 268124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	23.8		ug/L		95	71 - 129
1,1-Dichloroethene	25.0	22.0		ug/L		88	58 - 121
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 127
1,2-Dichloropropane	25.0	24.3		ug/L		97	76 - 120
2-Hexanone	125	116		ug/L		93	65 - 127
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		99	71 - 125
Acetone	125	111		ug/L		89	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	24.5		ug/L		98	52 - 132
Bromomethane	25.0	37.1	*	ug/L		148	55 - 144
Carbon disulfide	25.0	19.8		ug/L		79	59 - 134
Carbon tetrachloride	25.0	26.5		ug/L		106	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	72 - 120
Dibromochloromethane	25.0	23.9		ug/L		95	75 - 125
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	28.1		ug/L		113	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		101	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methylene Chloride	25.0	24.3		ug/L		97	57 - 132
Styrene	25.0	24.9		ug/L		99	70 - 130
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	24.1		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	23.1		ug/L		92	72 - 123
Trichloroethene	25.0	26.0		ug/L		104	74 - 123
Vinyl chloride	25.0	22.4		ug/L		90	65 - 133
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

Lab Sample ID: 480-88319-3 MS
Matrix: Ground Water
Analysis Batch: 268124

Client Sample ID: EW 3D 100115 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	113		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	97.1		ug/L		97	70 - 126
1,1,2-Trichloroethane	ND		100	99.3		ug/L		99	76 - 122
1,1-Dichloroethane	ND		100	111		ug/L		111	71 - 129

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

Lab Sample ID: 480-88319-3 MS
Matrix: Ground Water
Analysis Batch: 268124

Client Sample ID: EW 3D 100115 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND	F2	100	105		ug/L		105	58 - 121
1,2-Dichloroethane	ND		100	98.8		ug/L		99	75 - 127
1,2-Dichloropropane	ND		100	109		ug/L		109	76 - 120
2-Hexanone	ND	F2	500	579		ug/L		116	65 - 127
2-Butanone (MEK)	ND		500	517		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	530		ug/L		106	71 - 125
Acetone	ND		500	480		ug/L		96	56 - 142
Benzene	ND		100	110		ug/L		110	71 - 124
Bromodichloromethane	ND		100	102		ug/L		102	80 - 122
Bromoform	ND		100	84.3		ug/L		84	52 - 132
Bromomethane	ND	* F1	100	143		ug/L		143	55 - 144
Carbon disulfide	ND	F2	100	85.4		ug/L		85	59 - 134
Carbon tetrachloride	ND		100	104		ug/L		104	72 - 134
Chlorobenzene	ND		100	99.9		ug/L		100	72 - 120
Dibromochloromethane	ND		100	86.7		ug/L		87	75 - 125
Chloroethane	ND		100	92.3		ug/L		92	69 - 136
Chloroform	ND		100	108		ug/L		108	73 - 127
Chloromethane	ND		100	107		ug/L		107	68 - 124
cis-1,2-Dichloroethene	150	F1	100	693	E F1	ug/L		539	74 - 124
cis-1,3-Dichloropropene	ND		100	104		ug/L		104	74 - 124
Ethylbenzene	ND		100	107		ug/L		107	77 - 123
Methylene Chloride	ND		100	105		ug/L		105	57 - 132
Styrene	ND		100	105		ug/L		105	70 - 130
Tetrachloroethene	ND		100	111		ug/L		111	74 - 122
Toluene	ND		100	102		ug/L		102	80 - 122
trans-1,2-Dichloroethene	27	F1	100	218	F1	ug/L		191	73 - 127
trans-1,3-Dichloropropene	ND		100	94.2		ug/L		94	72 - 123
Trichloroethene	200	F1	100	891	E F1	ug/L		687	74 - 123
Vinyl chloride	ND		100	111		ug/L		111	65 - 133
Xylenes, Total	ND		200	202		ug/L		101	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*95*		*71 - 126*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*60 - 140*

Lab Sample ID: 480-88319-3 MSD
Matrix: Ground Water
Analysis Batch: 268124

Client Sample ID: EW 3D 100115 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	97.1		ug/L		97	73 - 126	15	15
1,1,2,2-Tetrachloroethane	ND		100	95.7		ug/L		96	70 - 126	1	15
1,1,2-Trichloroethane	ND		100	90.5		ug/L		91	76 - 122	9	15
1,1-Dichloroethane	ND		100	99.2		ug/L		99	71 - 129	12	20
1,1-Dichloroethene	ND	F2	100	88.3	F2	ug/L		88	58 - 121	17	16
1,2-Dichloroethane	ND		100	81.9		ug/L		82	75 - 127	19	20

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

Lab Sample ID: 480-88319-3 MSD
Matrix: Ground Water
Analysis Batch: 268124

Client Sample ID: EW 3D 100115 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		100	94.4		ug/L		94	76 - 120	15	20
2-Hexanone	ND	F2	500	484	F2	ug/L		97	65 - 127	18	15
2-Butanone (MEK)	ND		500	443		ug/L		89	57 - 140	15	20
4-Methyl-2-pentanone (MIBK)	ND		500	478		ug/L		96	71 - 125	10	35
Acetone	ND		500	412		ug/L		82	56 - 142	15	15
Benzene	ND		100	96.2		ug/L		96	71 - 124	13	13
Bromodichloromethane	ND		100	90.1		ug/L		90	80 - 122	12	15
Bromoform	ND		100	79.3		ug/L		79	52 - 132	6	15
Bromomethane	ND	* F1	100	165	F1	ug/L		165	55 - 144	14	15
Carbon disulfide	ND	F2	100	72.7	F2	ug/L		73	59 - 134	16	15
Carbon tetrachloride	ND		100	94.1		ug/L		94	72 - 134	10	15
Chlorobenzene	ND		100	93.5		ug/L		94	72 - 120	7	25
Dibromochloromethane	ND		100	84.1		ug/L		84	75 - 125	3	15
Chloroethane	ND		100	101		ug/L		101	69 - 136	9	15
Chloroform	ND		100	92.0		ug/L		92	73 - 127	16	20
Chloromethane	ND		100	113		ug/L		113	68 - 124	6	15
cis-1,2-Dichloroethene	150	F1	100	676	E F1	ug/L		522	74 - 124	2	15
cis-1,3-Dichloropropene	ND		100	90.5		ug/L		91	74 - 124	14	15
Ethylbenzene	ND		100	97.0		ug/L		97	77 - 123	9	15
Methylene Chloride	ND		100	89.8		ug/L		90	57 - 132	15	15
Styrene	ND		100	92.3		ug/L		92	70 - 130	13	20
Tetrachloroethene	ND		100	98.0		ug/L		98	74 - 122	12	20
Toluene	ND		100	92.6		ug/L		93	80 - 122	10	15
trans-1,2-Dichloroethene	27	F1	100	200	F1	ug/L		173	73 - 127	8	20
trans-1,3-Dichloropropene	ND		100	87.1		ug/L		87	72 - 123	8	15
Trichloroethene	200	F1	100	867	E F1	ug/L		663	74 - 123	3	16
Vinyl chloride	ND		100	116		ug/L		116	65 - 133	5	15
Xylenes, Total	ND		200	183		ug/L		91	76 - 122	10	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*95*		*71 - 126*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

GC/MS VOA

Analysis Batch: 268124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88319-1	EW 7S 100115	Total/NA	Ground Water	8260C	
480-88319-2	EW 8D 100115	Total/NA	Ground Water	8260C	
480-88319-3	EW 3D 100115	Total/NA	Ground Water	8260C	
480-88319-3 MS	EW 3D 100115 MS	Total/NA	Ground Water	8260C	
480-88319-3 MSD	EW 3D 100115 MSD	Total/NA	Ground Water	8260C	
480-88319-4	EW 5P 100115	Total/NA	Ground Water	8260C	
480-88319-5	EW 4P 100115	Total/NA	Ground Water	8260C	
480-88319-6	EW 2P 100115	Total/NA	Ground Water	8260C	
480-88319-7	EW 6P 100115	Total/NA	Ground Water	8260C	
480-88319-8	APP-100 100115	Total/NA	Ground Water	8260C	
LCS 480-268124/7	Lab Control Sample	Total/NA	Water	8260C	
MB 480-268124/9	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 7S 100115
Lab Sample ID: 480-88319-1
Date Collected: 10/01/15 08:08
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	268124	10/11/15 12:03	LJF	TAL BUF

Client Sample ID: EW 8D 100115
Lab Sample ID: 480-88319-2
Date Collected: 10/01/15 08:05
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	268124	10/11/15 12:25	LJF	TAL BUF

Client Sample ID: EW 3D 100115
Lab Sample ID: 480-88319-3
Date Collected: 10/01/15 07:35
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	268124	10/11/15 12:48	LJF	TAL BUF

Client Sample ID: EW 5P 100115
Lab Sample ID: 480-88319-4
Date Collected: 10/01/15 07:20
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	268124	10/11/15 13:10	LJF	TAL BUF

Client Sample ID: EW 4P 100115
Lab Sample ID: 480-88319-5
Date Collected: 10/01/15 07:14
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	268124	10/11/15 13:33	LJF	TAL BUF

Client Sample ID: EW 2P 100115
Lab Sample ID: 480-88319-6
Date Collected: 10/01/15 07:10
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	268124	10/11/15 13:56	LJF	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Client Sample ID: EW 6P 100115

Lab Sample ID: 480-88319-7
Date Collected: 10/01/15 07:00
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	268124	10/11/15 14:19	LJF	TAL BUF

Client Sample ID: APP-100 100115

Lab Sample ID: 480-88319-8
Date Collected: 10/01/15 07:00
Matrix: Ground Water
Date Received: 10/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	268124	10/11/15 14:42	LJF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	11-30-15 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP	1	2973	09-11-16
New Jersey	NELAP	2	NY455	09-30-15 *
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16
West Virginia DEP	State Program	3	252	09-30-15 *
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE IRM - Monthly

TestAmerica Job ID: 480-88319-1
SDG: 480-88319-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88319-1	EW 7S 100115	Ground Water	10/01/15 08:08	10/02/15 09:30
480-88319-2	EW 8D 100115	Ground Water	10/01/15 08:05	10/02/15 09:30
480-88319-3	EW 3D 100115	Ground Water	10/01/15 07:35	10/02/15 09:30
480-88319-4	EW 5P 100115	Ground Water	10/01/15 07:20	10/02/15 09:30
480-88319-5	EW 4P 100115	Ground Water	10/01/15 07:14	10/02/15 09:30
480-88319-6	EW 2P 100115	Ground Water	10/01/15 07:10	10/02/15 09:30
480-88319-7	EW 6P 100115	Ground Water	10/01/15 07:00	10/02/15 09:30
480-88319-8	APP-100 100115	Ground Water	10/01/15 07:00	10/02/15 09:30

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Buffalo

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Tony Finch	Date: 10-1-15	Chain of Custody Number: 289794
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 248-477-5701	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schroe	
Project Name and Location (State): GBIRM / OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 11311127			

Analysis (Attach list if more space is needed): VOC's (8260B)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOC's (8260B)
EW 7S 100115	10-1-15	8:08		X							3				X
EW 8D 100115	↓	8:05		X							3				X
EW 3D 100115		7:35		X							9				X
EW 5P 100115		7:20		X							3				X
EW 4P 100115		7:14		X							3				X
EW 2P 100115		7:10		X							3				X
EW 6P 100115		7:00		X							3				X
APP-100 100115	↓	7:00		X							3				X

Cincinnati 210501

480-88319 Chain of Custody

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

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	10-1-15	8:38	1. Received By: [signature]	10/1/15	8:38
2. Relinquished By: [signature]	10/1/15	8:38	2. Received By: [signature]	10/2/15	0930
3. Relinquished By			3. Received By		

Comments: 3.0 #1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-88319-1
SDG Number: 480-88319-1

Login Number: 88319
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	OBG
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-89562-1
TestAmerica Sample Delivery Group: 480-89562-1
Client Project/Site: GE Evendale - IRM Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
11/2/2015 5:41:25 PM
Rebecca Jones, Project Management Assistant I
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Designee for

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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-89562-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89562-1

Comments
No additional comments.

Receipt
The samples were received on 10/21/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 7.6º C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: TRIP BLANK (480-89562-1), INFLUENT (480-89562-2), MIXING TANK (480-89562-3) and EFFLUENT (480-89562-4).

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-89562-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT — Lab Sample ID: 480-89562-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	12		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.9		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.5		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	27		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.5		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	66		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MIXING TANK — Lab Sample ID: 480-89562-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	17		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.5		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.0		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	68		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-89562-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Client Sample ID: TRIP BLANK

Date Collected: 10/20/15 00:00
Date Received: 10/21/15 09:00

Lab Sample ID: 480-89562-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/15 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/15 13:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/15 13:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/15 13:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/15 13:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/15 13:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/15 13:00	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/15 13:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/15 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/15 13:00	1
Acetone	**26**		10	3.0	ug/L			10/30/15 13:00	1
Benzene	ND		1.0	0.41	ug/L			10/30/15 13:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/15 13:00	1
Bromoform	ND		1.0	0.26	ug/L			10/30/15 13:00	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/15 13:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/15 13:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/15 13:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/15 13:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/15 13:00	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/15 13:00	1
Chloroform	ND		1.0	0.34	ug/L			10/30/15 13:00	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/15 13:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/15 13:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/15 13:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/15 13:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/15 13:00	1
Styrene	ND		1.0	0.73	ug/L			10/30/15 13:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/15 13:00	1
Toluene	ND		1.0	0.51	ug/L			10/30/15 13:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/15 13:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/15 13:00	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/15 13:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/15 13:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/15 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*10/30/15 13:00*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*10/30/15 13:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/30/15 13:00*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*10/30/15 13:00*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Client Sample ID: INFLUENT

Date Collected: 10/20/15 09:00
Date Received: 10/21/15 09:00

Lab Sample ID: 480-89562-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**12**		1.0	0.82	ug/L			10/30/15 14:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/15 14:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/15 14:08	1
1,1-Dichloroethane	**2.9**		1.0	0.38	ug/L			10/30/15 14:08	1
1,1-Dichloroethene	**1.5**		1.0	0.29	ug/L			10/30/15 14:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/15 14:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/15 14:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/15 14:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/15 14:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/15 14:08	1
Acetone	ND		10	3.0	ug/L			10/30/15 14:08	1
Benzene	ND		1.0	0.41	ug/L			10/30/15 14:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/15 14:08	1
Bromoform	ND		1.0	0.26	ug/L			10/30/15 14:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/15 14:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/15 14:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/15 14:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/15 14:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/15 14:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/15 14:08	1
Chloroform	ND		1.0	0.34	ug/L			10/30/15 14:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/15 14:08	1
cis-1,2-Dichloroethene	**27**		1.0	0.81	ug/L			10/30/15 14:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/15 14:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/15 14:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/15 14:08	1
Styrene	ND		1.0	0.73	ug/L			10/30/15 14:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/15 14:08	1
Toluene	ND		1.0	0.51	ug/L			10/30/15 14:08	1
trans-1,2-Dichloroethene	**4.5**		1.0	0.90	ug/L			10/30/15 14:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/15 14:08	1
Trichloroethene	**66**		1.0	0.46	ug/L			10/30/15 14:08	1
Vinyl chloride	**1.6**		1.0	0.90	ug/L			10/30/15 14:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/15 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*10/30/15 14:08*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/30/15 14:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/30/15 14:08*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*10/30/15 14:08*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Client Sample ID: MIXING TANK

Lab Sample ID: 480-89562-3

Date Collected: 10/20/15 08:50
Matrix: Water
Date Received: 10/21/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**17**		1.0	0.82	ug/L			10/30/15 13:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/15 13:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/15 13:45	1
1,1-Dichloroethane	**4.0**		1.0	0.38	ug/L			10/30/15 13:45	1
1,1-Dichloroethene	**2.5**		1.0	0.29	ug/L			10/30/15 13:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/15 13:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/15 13:45	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/15 13:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/15 13:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/15 13:45	1
Acetone	ND		10	3.0	ug/L			10/30/15 13:45	1
Benzene	ND		1.0	0.41	ug/L			10/30/15 13:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/15 13:45	1
Bromoform	ND		1.0	0.26	ug/L			10/30/15 13:45	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/15 13:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/15 13:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/15 13:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/15 13:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/15 13:45	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/15 13:45	1
Chloroform	ND		1.0	0.34	ug/L			10/30/15 13:45	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/15 13:45	1
cis-1,2-Dichloroethene	**22**		1.0	0.81	ug/L			10/30/15 13:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/15 13:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/15 13:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/15 13:45	1
Styrene	ND		1.0	0.73	ug/L			10/30/15 13:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/15 13:45	1
Toluene	ND		1.0	0.51	ug/L			10/30/15 13:45	1
trans-1,2-Dichloroethene	**3.0**		1.0	0.90	ug/L			10/30/15 13:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/15 13:45	1
Trichloroethene	**68**		1.0	0.46	ug/L			10/30/15 13:45	1
Vinyl chloride	**1.0**		1.0	0.90	ug/L			10/30/15 13:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/15 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*10/30/15 13:45*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*10/30/15 13:45*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/30/15 13:45*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*10/30/15 13:45*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-89562-4

Date Collected: 10/20/15 08:45
Matrix: Water
Date Received: 10/21/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/15 13:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/15 13:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/15 13:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/15 13:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/15 13:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/15 13:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/15 13:23	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/15 13:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/15 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/15 13:23	1
Acetone	ND		10	3.0	ug/L			10/30/15 13:23	1
Benzene	ND		1.0	0.41	ug/L			10/30/15 13:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/15 13:23	1
Bromoform	ND		1.0	0.26	ug/L			10/30/15 13:23	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/15 13:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/15 13:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/15 13:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/15 13:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/15 13:23	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/15 13:23	1
Chloroform	ND		1.0	0.34	ug/L			10/30/15 13:23	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/15 13:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/15 13:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/15 13:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/15 13:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/15 13:23	1
Styrene	ND		1.0	0.73	ug/L			10/30/15 13:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/15 13:23	1
Toluene	ND		1.0	0.51	ug/L			10/30/15 13:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/15 13:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/15 13:23	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/15 13:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/15 13:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/15 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*10/30/15 13:23*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/30/15 13:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/30/15 13:23*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*10/30/15 13:23*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-89562-1	TRIP BLANK	105	103	99	106
480-89562-2	INFLUENT	103	105	101	107
480-89562-3	MIXING TANK	109	106	104	112
480-89562-4	EFFLUENT	112	105	99	110
LCS 480-272078/5	Lab Control Sample	100	105	106	106
MB 480-272078/7	Method Blank	105	105	100	104

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-272078/7
Matrix: Water
Analysis Batch: 272078

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/30/15 10:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/30/15 10:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/30/15 10:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/30/15 10:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/30/15 10:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/30/15 10:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/30/15 10:53	1
2-Hexanone	ND		5.0	1.2	ug/L			10/30/15 10:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/30/15 10:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/30/15 10:53	1
Acetone	ND		10	3.0	ug/L			10/30/15 10:53	1
Benzene	ND		1.0	0.41	ug/L			10/30/15 10:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/30/15 10:53	1
Bromoform	ND		1.0	0.26	ug/L			10/30/15 10:53	1
Bromomethane	ND		1.0	0.69	ug/L			10/30/15 10:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/30/15 10:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/30/15 10:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/30/15 10:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/30/15 10:53	1
Chloroethane	ND		1.0	0.32	ug/L			10/30/15 10:53	1
Chloroform	ND		1.0	0.34	ug/L			10/30/15 10:53	1
Chloromethane	ND		1.0	0.35	ug/L			10/30/15 10:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/30/15 10:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/30/15 10:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/30/15 10:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/30/15 10:53	1
Styrene	ND		1.0	0.73	ug/L			10/30/15 10:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/30/15 10:53	1
Toluene	ND		1.0	0.51	ug/L			10/30/15 10:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/30/15 10:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/30/15 10:53	1
Trichloroethene	ND		1.0	0.46	ug/L			10/30/15 10:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/30/15 10:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/30/15 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*10/30/15 10:53*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/30/15 10:53*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/30/15 10:53*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*10/30/15 10:53*	*1*

Lab Sample ID: LCS 480-272078/5
Matrix: Water
Analysis Batch: 272078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.6		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	70 - 126

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

Lab Sample ID: LCS 480-272078/5
Matrix: Water
Analysis Batch: 272078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	27.5		ug/L		110	76 - 122
1,1-Dichloroethane	25.0	27.2		ug/L		109	71 - 129
1,1-Dichloroethene	25.0	29.3		ug/L		117	58 - 121
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 127
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
2-Hexanone	125	132		ug/L		106	65 - 127
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	28.1		ug/L		112	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	18.7		ug/L		75	52 - 132
Bromomethane	25.0	15.6		ug/L		62	55 - 144
Carbon disulfide	25.0	27.5		ug/L		110	59 - 134
Carbon tetrachloride	25.0	28.8		ug/L		115	72 - 134
Chlorobenzene	25.0	28.6		ug/L		114	72 - 120
Dibromochloromethane	25.0	22.4		ug/L		90	75 - 125
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	27.1		ug/L		109	73 - 127
Chloromethane	25.0	27.1		ug/L		108	68 - 124
cis-1,2-Dichloroethene	25.0	27.5		ug/L		110	74 - 124
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	74 - 124
Ethylbenzene	25.0	28.2		ug/L		113	77 - 123
Methylene Chloride	25.0	26.2		ug/L		105	57 - 132
Styrene	25.0	27.5		ug/L		110	70 - 130
Tetrachloroethene	25.0	30.4		ug/L		122	74 - 122
Toluene	25.0	28.1		ug/L		113	80 - 122
trans-1,2-Dichloroethene	25.0	29.2		ug/L		117	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		97	72 - 123
Trichloroethene	25.0	28.9		ug/L		115	74 - 123
Vinyl chloride	25.0	25.4		ug/L		102	65 - 133
Xylenes, Total	50.0	56.9		ug/L		114	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*105*		*71 - 126*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

GC/MS VOA

Analysis Batch: 272078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89562-1	TRIP BLANK	Total/NA	Water	8260C	
480-89562-2	INFLUENT	Total/NA	Water	8260C	
480-89562-3	MIXING TANK	Total/NA	Water	8260C	
480-89562-4	EFFLUENT	Total/NA	Water	8260C	
LCS 480-272078/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-272078/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-89562-1

Date Collected: 10/20/15 00:00 — **Matrix: Water**
Date Received: 10/21/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	272078	10/30/15 13:00	SWO	TAL BUF

Client Sample ID: INFLUENT — Lab Sample ID: 480-89562-2

Date Collected: 10/20/15 09:00 — **Matrix: Water**
Date Received: 10/21/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	272078	10/30/15 14:08	SWO	TAL BUF

Client Sample ID: MIXING TANK — Lab Sample ID: 480-89562-3

Date Collected: 10/20/15 08:50 — **Matrix: Water**
Date Received: 10/21/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	272078	10/30/15 13:45	SWO	TAL BUF

Client Sample ID: EFFLUENT — Lab Sample ID: 480-89562-4

Date Collected: 10/20/15 08:45 — **Matrix: Water**
Date Received: 10/21/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	272078	10/30/15 13:23	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	11-30-15 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP	1	2973	09-11-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16
West Virginia DEP	State Program	3	252	09-30-15 *
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-89562-1
SDG: 480-89562-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89562-1	TRIP BLANK	Water	10/20/15 00:00	10/21/15 09:00
480-89562-2	INFLUENT	Water	10/20/15 09:00	10/21/15 09:00
480-89562-3	MIXING TANK	Water	10/20/15 08:50	10/21/15 09:00
480-89562-4	EFFLUENT	Water	10/20/15 08:45	10/21/15 09:00

480030453

Chain of Custody Record

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 10-20-15	Chain of Custody Number: 289795
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-804-1220	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE-FRM Ohio	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1131112 7			

Analysis (Attach list if more space is needed): VOC's (8260B)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOC's (8260B)
Trip Blank	10-20-15			X						2			X
Influent		9:00		X						3			X
Mixing Tank		8:50		X						3			X
Effluent		8:45		X						3			X

480-89562 Chain of Custody

Cincinnati 210501

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

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

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	10-20-15	10:00	1. Received By: [signature]	10/20/15	1000
2. Relinquished By: [signature]	10/20/15	1000	2. Received By: [signature]	10/21/15	0940
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 7.6 #1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-89562-1
SDG Number: 480-89562-1

Login Number: 89562
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

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.	False	Refer to job narrative for details
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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	O'BRIEN & GERE
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-90366-1
TestAmerica Sample Delivery Group: 480-90366-1
Client Project/Site: GE Evendale - IRM Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
11/16/2015 4:04:23 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Job ID: 480-90366-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-90366-1

Comments
No additional comments.

Receipt
The samples were received on 11/3/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: INFLUENT 110215 (480-90366-2) and MIXING TANK 110215 (480-90366-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-90366-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.4	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT 110215 — Lab Sample ID: 480-90366-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	26		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.4		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	47		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	7.5		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	3.5		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene - DL	120		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: MIXING TANK 110215 — Lab Sample ID: 480-90366-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.0		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.45	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	34		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.46	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.8		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	1.6		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene - DL	110		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: EFFLUENT 110215 — Lab Sample ID: 480-90366-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-90366-1

Date Collected: 11/02/15 00:00
Matrix: Water
Date Received: 11/03/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/15 06:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 06:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 06:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/15 06:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/15 06:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 06:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 06:31	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 06:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 06:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 06:31	1
Acetone	**7.4**	**J**	10	3.0	ug/L			11/13/15 06:31	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 06:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 06:31	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 06:31	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 06:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 06:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 06:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 06:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 06:31	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 06:31	1
Chloroform	ND		1.0	0.34	ug/L			11/13/15 06:31	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 06:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/15 06:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 06:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 06:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 06:31	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 06:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/15 06:31	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 06:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/15 06:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 06:31	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/15 06:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/15 06:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/13/15 06:31*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*11/13/15 06:31*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/13/15 06:31*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*11/13/15 06:31*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Client Sample ID: INFLUENT 110215

Lab Sample ID: 480-90366-2

Date Collected: 11/02/15 07:42
Matrix: Water
Date Received: 11/03/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**26**		1.0	0.82	ug/L			11/13/15 06:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 06:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 06:58	1
1,1-Dichloroethane	**5.5**		1.0	0.38	ug/L			11/13/15 06:58	1
1,1-Dichloroethene	**2.4**		1.0	0.29	ug/L			11/13/15 06:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 06:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 06:58	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 06:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 06:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 06:58	1
Acetone	ND		10	3.0	ug/L			11/13/15 06:58	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 06:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 06:58	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 06:58	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 06:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 06:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 06:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 06:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 06:58	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 06:58	1
Chloroform	ND		1.0	0.34	ug/L			11/13/15 06:58	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 06:58	1
cis-1,2-Dichloroethene	**47**		1.0	0.81	ug/L			11/13/15 06:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 06:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 06:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 06:58	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 06:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/15 06:58	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 06:58	1
trans-1,2-Dichloroethene	**7.5**		1.0	0.90	ug/L			11/13/15 06:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 06:58	1
Vinyl chloride	**3.5**		1.0	0.90	ug/L			11/13/15 06:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*11/13/15 06:58*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*11/13/15 06:58*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/13/15 06:58*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*11/13/15 06:58*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**120**		2.0	0.92	ug/L			11/13/15 14:31	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*11/13/15 14:31*	*2*
Toluene-d8 (Surr)	*94*		*71 - 126*		*11/13/15 14:31*	*2*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/13/15 14:31*	*2*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*11/13/15 14:31*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Client Sample ID: MIXING TANK 110215

Lab Sample ID: 480-90366-3
Date Collected: 11/02/15 07:38
Matrix: Water
Date Received: 11/03/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**30**		1.0	0.82	ug/L			11/13/15 07:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 07:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 07:24	1
1,1-Dichloroethane	**6.3**		1.0	0.38	ug/L			11/13/15 07:24	1
1,1-Dichloroethene	**2.0**		1.0	0.29	ug/L			11/13/15 07:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 07:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 07:24	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 07:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 07:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 07:24	1
Acetone	ND		10	3.0	ug/L			11/13/15 07:24	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 07:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 07:24	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 07:24	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 07:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 07:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 07:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 07:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 07:24	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 07:24	1
Chloroform	**0.45**	**J**	1.0	0.34	ug/L			11/13/15 07:24	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 07:24	1
cis-1,2-Dichloroethene	**34**		1.0	0.81	ug/L			11/13/15 07:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 07:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 07:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 07:24	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 07:24	1
Tetrachloroethene	**0.46**	**J**	1.0	0.36	ug/L			11/13/15 07:24	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 07:24	1
trans-1,2-Dichloroethene	**4.8**		1.0	0.90	ug/L			11/13/15 07:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 07:24	1
Vinyl chloride	**1.6**		1.0	0.90	ug/L			11/13/15 07:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*11/13/15 07:24*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*11/13/15 07:24*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/13/15 07:24*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*11/13/15 07:24*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**110**		2.0	0.92	ug/L			11/13/15 14:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*11/13/15 14:57*	*2*
Toluene-d8 (Surr)	*96*		*71 - 126*		*11/13/15 14:57*	*2*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/13/15 14:57*	*2*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*11/13/15 14:57*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Client Sample ID: EFFLUENT 110215

Lab Sample ID: 480-90366-4

Date Collected: 11/02/15 07:35
Matrix: Water
Date Received: 11/03/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/15 07:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 07:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 07:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/15 07:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/15 07:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 07:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 07:51	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 07:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 07:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 07:51	1
Acetone	ND		10	3.0	ug/L			11/13/15 07:51	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 07:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 07:51	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 07:51	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 07:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 07:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 07:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 07:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 07:51	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 07:51	1
Chloroform	ND		1.0	0.34	ug/L			11/13/15 07:51	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 07:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/15 07:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 07:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 07:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 07:51	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 07:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/15 07:51	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 07:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/15 07:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 07:51	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/15 07:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/15 07:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 07:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/13/15 07:51*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*11/13/15 07:51*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/13/15 07:51*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*11/13/15 07:51*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-90366-1	TRIP BLANK	94	98	94	97
480-90366-2	INFLUENT 110215	98	95	92	104
480-90366-2 - DL	INFLUENT 110215	96	94	94	101
480-90366-3	MIXING TANK 110215	95	97	94	100
480-90366-3 - DL	MIXING TANK 110215	97	96	93	99
480-90366-4	EFFLUENT 110215	94	95	93	97
LCS 480-274768/4	Lab Control Sample	90	96	97	97
LCS 480-274839/4	Lab Control Sample	91	96	97	95
MB 480-274768/5	Method Blank	92	95	95	97
MB 480-274839/6	Method Blank	94	95	93	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-274768/5
Matrix: Water
Analysis Batch: 274768

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/15 00:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 00:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 00:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/15 00:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/15 00:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 00:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 00:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 00:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 00:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 00:38	1
Acetone	ND		10	3.0	ug/L			11/13/15 00:38	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 00:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 00:38	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 00:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 00:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 00:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 00:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 00:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 00:38	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 00:38	1
Chloroform	ND		1.0	0.34	ug/L			11/13/15 00:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 00:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/15 00:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 00:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 00:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 00:38	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 00:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/15 00:38	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 00:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/15 00:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 00:38	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/15 00:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/15 00:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 00:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*		*11/13/15 00:38*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*11/13/15 00:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/13/15 00:38*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*11/13/15 00:38*	*1*

Lab Sample ID: LCS 480-274768/4
Matrix: Water
Analysis Batch: 274768

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.2		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	70 - 126

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

Lab Sample ID: LCS 480-274768/4
Matrix: Water
Analysis Batch: 274768

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	22.4		ug/L		89	71 - 129
1,1-Dichloroethene	25.0	21.9		ug/L		87	58 - 121
1,2-Dichloroethane	25.0	21.6		ug/L		86	75 - 127
1,2-Dichloropropane	25.0	23.4		ug/L		93	76 - 120
2-Hexanone	125	126		ug/L		101	65 - 127
2-Butanone (MEK)	125	123		ug/L		99	57 - 140
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	135		ug/L		108	56 - 142
Benzene	25.0	22.2		ug/L		89	71 - 124
Bromodichloromethane	25.0	23.8		ug/L		95	80 - 122
Bromoform	25.0	26.2		ug/L		105	52 - 132
Bromomethane	25.0	25.3		ug/L		101	55 - 144
Carbon disulfide	25.0	21.5		ug/L		86	59 - 134
Carbon tetrachloride	25.0	23.3		ug/L		93	72 - 134
Chlorobenzene	25.0	23.0		ug/L		92	72 - 120
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125
Chloroethane	25.0	21.8		ug/L		87	69 - 136
Chloroform	25.0	22.5		ug/L		90	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	23.0		ug/L		92	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Methylene Chloride	25.0	24.7		ug/L		99	57 - 132
Styrene	25.0	23.8		ug/L		95	70 - 130
Tetrachloroethene	25.0	22.8		ug/L		91	74 - 122
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	72 - 123
Trichloroethene	25.0	22.4		ug/L		90	74 - 123
Vinyl chloride	25.0	23.5		ug/L		94	65 - 133
Xylenes, Total	50.0	46.1		ug/L		92	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*60 - 140*

Lab Sample ID: MB 480-274839/6
Matrix: Water
Analysis Batch: 274839

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/15 13:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 13:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 13:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/15 13:13	1

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

Lab Sample ID: MB 480-274839/6
Matrix: Water
Analysis Batch: 274839

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/15 13:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 13:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 13:13	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 13:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 13:13	1
Acetone	ND		10	3.0	ug/L			11/13/15 13:13	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 13:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 13:13	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 13:13	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 13:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 13:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 13:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 13:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 13:13	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 13:13	1
Chloroform	ND		1.0	0.34	ug/L			11/13/15 13:13	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/15 13:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 13:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 13:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 13:13	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 13:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/15 13:13	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/15 13:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 13:13	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/15 13:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/15 13:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/13/15 13:13*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*11/13/15 13:13*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/13/15 13:13*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*11/13/15 13:13*	*1*

Lab Sample ID: LCS 480-274839/4
Matrix: Water
Analysis Batch: 274839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.5		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	70 - 126
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	23.5		ug/L		94	71 - 129
1,1-Dichloroethene	25.0	23.6		ug/L		94	58 - 121
1,2-Dichloroethane	25.0	22.8		ug/L		91	75 - 127

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

Lab Sample ID: LCS 480-274839/4
Matrix: Water
Analysis Batch: 274839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
2-Hexanone	125	136		ug/L		108	65 - 127
2-Butanone (MEK)	125	132		ug/L		105	57 - 140
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Bromoform	25.0	26.8		ug/L		107	52 - 132
Bromomethane	25.0	21.5		ug/L		86	55 - 144
Carbon disulfide	25.0	22.3		ug/L		89	59 - 134
Carbon tetrachloride	25.0	23.4		ug/L		94	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	72 - 120
Dibromochloromethane	25.0	27.1		ug/L		108	75 - 125
Chloroethane	25.0	19.0		ug/L		76	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	23.5		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123
Methylene Chloride	25.0	25.6		ug/L		102	57 - 132
Styrene	25.0	24.8		ug/L		99	70 - 130
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	23.9		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	72 - 123
Trichloroethene	25.0	24.1		ug/L		96	74 - 123
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133
Xylenes, Total	50.0	47.6		ug/L		95	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

GC/MS VOA

Analysis Batch: 274768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90366-1	TRIP BLANK	Total/NA	Water	8260C	
480-90366-2	INFLUENT 110215	Total/NA	Water	8260C	
480-90366-3	MIXING TANK 110215	Total/NA	Water	8260C	
480-90366-4	EFFLUENT 110215	Total/NA	Water	8260C	
LCS 480-274768/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-274768/5	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 274839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90366-2 - DL	INFLUENT 110215	Total/NA	Water	8260C	
480-90366-3 - DL	MIXING TANK 110215	Total/NA	Water	8260C	
LCS 480-274839/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-274839/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-90366-1

Date Collected: 11/02/15 00:00 — **Matrix: Water**
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274768	11/13/15 06:31	JWG	TAL BUF

Client Sample ID: INFLUENT 110215 — Lab Sample ID: 480-90366-2

Date Collected: 11/02/15 07:42 — **Matrix: Water**
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274768	11/13/15 06:58	JWG	TAL BUF
Total/NA	Analysis	8260C	DL	2	274839	11/13/15 14:31	JWG	TAL BUF

Client Sample ID: MIXING TANK 110215 — Lab Sample ID: 480-90366-3

Date Collected: 11/02/15 07:38 — **Matrix: Water**
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274768	11/13/15 07:24	JWG	TAL BUF
Total/NA	Analysis	8260C	DL	2	274839	11/13/15 14:57	JWG	TAL BUF

Client Sample ID: EFFLUENT 110215 — Lab Sample ID: 480-90366-4

Date Collected: 11/02/15 07:35 — **Matrix: Water**
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274768	11/13/15 07:51	JWG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-15 *
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-90366-1
SDG: 480-90366-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-90366-1	TRIP BLANK	Water	11/02/15 00:00	11/03/15 09:00
480-90366-2	INFLUENT 110215	Water	11/02/15 07:42	11/03/15 09:00
480-90366-3	MIXING TANK 110215	Water	11/02/15 07:38	11/03/15 09:00
480-90366-4	EFFLUENT 110215	Water	11/02/15 07:35	11/03/15 09:00

48003453

Chain of Custody Record

Buffalo

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 11-2-15	Chain of Custody Number: 291617
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-904-1226	Lab Number	Page _____ of _____
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schuve	
Project Name and Location (State): GE - IRM / Ohio	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 11311127			

Analysis (Attach list if more space is needed): VOCs (8260B)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		VOCs (8260B)
Trip Blank	11/2/15			X							2				X
Influent 110215		7:42		X							3				X
Mixing Tank 110215		7:38		X							3				X
Effluent 110215		7:35		X							3				X

Cincinnati 210501

480-90366 Chain of Custody

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

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

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

QC Requirements (Specify)

1. Relinquished By: Mike McLaughlin	Date: 11/2/15	Time: 9:55	1. Received By: [illegible]	Date: 11/2/15	Time: 9:55
2. Relinquished By: [illegible]	Date: 11/2/15	Time: 9:55	2. Received By: [illegible]	Date: 11/3/15	Time: 0900
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

2 of 1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-90366-1
SDG Number: 480-90366-1

Login Number: 90366
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	obg
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-90368-1
TestAmerica Sample Delivery Group: 480-90368-1
Client Project/Site: GE - IRM
Sampling Event: GE IRM - Monthly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
11/16/2015 4:09:42 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-90368-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-90368-1

Comments
No additional comments.

Receipt
The samples were received on 11/3/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: ADP-100 110215 (480-90368-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: EW 3D 110215 (480-90368-2), EW 3D 110215 MS (480-90368-2[MS]), EW 3D 110215 MSD (480-90368-2[MSD]), EW 5P 110215 (480-90368-3), EW 4P 110215 (480-90368-4), EW 2P 110215 (480-90368-5) and EW 6P 110215 (480-90368-6). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 8D 110215 — Lab Sample ID: 480-90368-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.7		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.8		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	6.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW 3D 110215 — Lab Sample ID: 480-90368-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	27		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	210		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	4.0		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW 5P 110215 — Lab Sample ID: 480-90368-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	99		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	25		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	14		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	27		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	210		5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	4.6	J	5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: EW 4P 110215 — Lab Sample ID: 480-90368-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	94		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	23		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	12		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	25		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	1.4	J	4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	200		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	3.6	J	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW 2P 110215 — Lab Sample ID: 480-90368-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	100		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	10		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	9.4		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	2.2	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	15		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	220		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW 6P 110215 — Lab Sample ID: 480-90368-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	36		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.9		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.7		2.0	0.58	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 6P 110215 (Continued) — Lab Sample ID: 480-90368-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.1	J	2.0	0.72	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	1.8	J	2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.8		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 110215 — Lab Sample ID: 480-90368-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	36		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.2		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.41	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.1		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	3.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene - DL	120		2.0	0.92	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 8D 110215

Date Collected: 11/02/15 09:10
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-1

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/15 03:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 03:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 03:15	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			11/13/15 03:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/15 03:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 03:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 03:15	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 03:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 03:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 03:15	1
Acetone	ND		10	3.0	ug/L			11/13/15 03:15	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 03:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 03:15	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 03:15	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 03:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 03:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 03:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 03:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 03:15	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 03:15	1
Chloroform	ND		1.0	0.34	ug/L			11/13/15 03:15	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 03:15	1
cis-1,2-Dichloroethene	**4.7**		1.0	0.81	ug/L			11/13/15 03:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 03:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 03:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 03:15	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 03:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/15 03:15	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 03:15	1
trans-1,2-Dichloroethene	**1.8**		1.0	0.90	ug/L			11/13/15 03:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 03:15	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/15 03:15	1
Vinyl chloride	**6.7**		1.0	0.90	ug/L			11/13/15 03:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*11/13/15 03:15*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*11/13/15 03:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/13/15 03:15*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*11/13/15 03:15*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 3D 110215

Date Collected: 11/02/15 08:50
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-2

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/13/15 03:38	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/13/15 03:38	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/13/15 03:38	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			11/13/15 03:38	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/13/15 03:38	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/13/15 03:38	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/13/15 03:38	4
2-Hexanone	ND		20	5.0	ug/L			11/13/15 03:38	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/13/15 03:38	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/13/15 03:38	4
Acetone	ND		40	12	ug/L			11/13/15 03:38	4
Benzene	ND		4.0	1.6	ug/L			11/13/15 03:38	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/13/15 03:38	4
Bromoform	ND		4.0	1.0	ug/L			11/13/15 03:38	4
Bromomethane	ND		4.0	2.8	ug/L			11/13/15 03:38	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/13/15 03:38	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/13/15 03:38	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/13/15 03:38	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/13/15 03:38	4
Chloroethane	ND		4.0	1.3	ug/L			11/13/15 03:38	4
Chloroform	ND		4.0	1.4	ug/L			11/13/15 03:38	4
Chloromethane	ND		4.0	1.4	ug/L			11/13/15 03:38	4
cis-1,2-Dichloroethene	**150**		4.0	3.2	ug/L			11/13/15 03:38	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/13/15 03:38	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/13/15 03:38	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/13/15 03:38	4
Styrene	ND		4.0	2.9	ug/L			11/13/15 03:38	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/13/15 03:38	4
Toluene	ND		4.0	2.0	ug/L			11/13/15 03:38	4
trans-1,2-Dichloroethene	**27**		4.0	3.6	ug/L			11/13/15 03:38	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/13/15 03:38	4
Trichloroethene	**210**		4.0	1.8	ug/L			11/13/15 03:38	4
Vinyl chloride	**4.0**		4.0	3.6	ug/L			11/13/15 03:38	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/13/15 03:38	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*11/13/15 03:38*	*4*
Toluene-d8 (Surr)	*99*		*71 - 126*		*11/13/15 03:38*	*4*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/13/15 03:38*	*4*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*11/13/15 03:38*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 5P 110215

Date Collected: 11/02/15 08:22
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-3

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**99**		5.0	4.1	ug/L			11/13/15 04:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/13/15 04:01	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/13/15 04:01	5
1,1-Dichloroethane	**25**		5.0	1.9	ug/L			11/13/15 04:01	5
1,1-Dichloroethene	**14**		5.0	1.5	ug/L			11/13/15 04:01	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/13/15 04:01	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/13/15 04:01	5
2-Hexanone	ND		25	6.2	ug/L			11/13/15 04:01	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/13/15 04:01	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/13/15 04:01	5
Acetone	ND		50	15	ug/L			11/13/15 04:01	5
Benzene	ND		5.0	2.1	ug/L			11/13/15 04:01	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/13/15 04:01	5
Bromoform	ND		5.0	1.3	ug/L			11/13/15 04:01	5
Bromomethane	ND		5.0	3.5	ug/L			11/13/15 04:01	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/13/15 04:01	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/13/15 04:01	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/13/15 04:01	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/13/15 04:01	5
Chloroethane	ND		5.0	1.6	ug/L			11/13/15 04:01	5
Chloroform	ND		5.0	1.7	ug/L			11/13/15 04:01	5
Chloromethane	ND		5.0	1.8	ug/L			11/13/15 04:01	5
cis-1,2-Dichloroethene	**27**		5.0	4.1	ug/L			11/13/15 04:01	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/13/15 04:01	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/13/15 04:01	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/13/15 04:01	5
Styrene	ND		5.0	3.7	ug/L			11/13/15 04:01	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/13/15 04:01	5
Toluene	ND		5.0	2.6	ug/L			11/13/15 04:01	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/13/15 04:01	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/13/15 04:01	5
Trichloroethene	**210**		5.0	2.3	ug/L			11/13/15 04:01	5
Vinyl chloride	**4.6**	**J**	5.0	4.5	ug/L			11/13/15 04:01	5
Xylenes, Total	ND		10	3.3	ug/L			11/13/15 04:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*11/13/15 04:01*	*5*
Toluene-d8 (Surr)	*105*		*71 - 126*		*11/13/15 04:01*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/13/15 04:01*	*5*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*11/13/15 04:01*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 4P 110215

Date Collected: 11/02/15 08:19
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-4

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**94**		4.0	3.3	ug/L			11/13/15 04:24	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/13/15 04:24	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/13/15 04:24	4
1,1-Dichloroethane	**23**		4.0	1.5	ug/L			11/13/15 04:24	4
1,1-Dichloroethene	**12**		4.0	1.2	ug/L			11/13/15 04:24	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/13/15 04:24	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/13/15 04:24	4
2-Hexanone	ND		20	5.0	ug/L			11/13/15 04:24	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/13/15 04:24	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/13/15 04:24	4
Acetone	ND		40	12	ug/L			11/13/15 04:24	4
Benzene	ND		4.0	1.6	ug/L			11/13/15 04:24	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/13/15 04:24	4
Bromoform	ND		4.0	1.0	ug/L			11/13/15 04:24	4
Bromomethane	ND		4.0	2.8	ug/L			11/13/15 04:24	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/13/15 04:24	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/13/15 04:24	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/13/15 04:24	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/13/15 04:24	4
Chloroethane	ND		4.0	1.3	ug/L			11/13/15 04:24	4
Chloroform	ND		4.0	1.4	ug/L			11/13/15 04:24	4
Chloromethane	ND		4.0	1.4	ug/L			11/13/15 04:24	4
cis-1,2-Dichloroethene	**25**		4.0	3.2	ug/L			11/13/15 04:24	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/13/15 04:24	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/13/15 04:24	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/13/15 04:24	4
Styrene	ND		4.0	2.9	ug/L			11/13/15 04:24	4
Tetrachloroethene	**1.4**	**J**	4.0	1.4	ug/L			11/13/15 04:24	4
Toluene	ND		4.0	2.0	ug/L			11/13/15 04:24	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/13/15 04:24	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/13/15 04:24	4
Trichloroethene	**200**		4.0	1.8	ug/L			11/13/15 04:24	4
Vinyl chloride	**3.6**	**J**	4.0	3.6	ug/L			11/13/15 04:24	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/13/15 04:24	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*11/13/15 04:24*	*4*
Toluene-d8 (Surr)	*100*		*71 - 126*		*11/13/15 04:24*	*4*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/13/15 04:24*	*4*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*11/13/15 04:24*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 2P 110215

Date Collected: 11/02/15 08:12
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-5

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**100**		5.0	4.1	ug/L			11/13/15 04:46	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/13/15 04:46	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/13/15 04:46	5
1,1-Dichloroethane	**10**		5.0	1.9	ug/L			11/13/15 04:46	5
1,1-Dichloroethene	**9.4**		5.0	1.5	ug/L			11/13/15 04:46	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/13/15 04:46	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/13/15 04:46	5
2-Hexanone	ND		25	6.2	ug/L			11/13/15 04:46	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/13/15 04:46	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/13/15 04:46	5
Acetone	ND		50	15	ug/L			11/13/15 04:46	5
Benzene	ND		5.0	2.1	ug/L			11/13/15 04:46	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/13/15 04:46	5
Bromoform	ND		5.0	1.3	ug/L			11/13/15 04:46	5
Bromomethane	ND		5.0	3.5	ug/L			11/13/15 04:46	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/13/15 04:46	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/13/15 04:46	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/13/15 04:46	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/13/15 04:46	5
Chloroethane	ND		5.0	1.6	ug/L			11/13/15 04:46	5
Chloroform	**2.2**	**J**	5.0	1.7	ug/L			11/13/15 04:46	5
Chloromethane	ND		5.0	1.8	ug/L			11/13/15 04:46	5
cis-1,2-Dichloroethene	**15**		5.0	4.1	ug/L			11/13/15 04:46	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/13/15 04:46	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/13/15 04:46	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/13/15 04:46	5
Styrene	ND		5.0	3.7	ug/L			11/13/15 04:46	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/13/15 04:46	5
Toluene	ND		5.0	2.6	ug/L			11/13/15 04:46	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/13/15 04:46	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/13/15 04:46	5
Trichloroethene	**220**		5.0	2.3	ug/L			11/13/15 04:46	5
Vinyl chloride	ND		5.0	4.5	ug/L			11/13/15 04:46	5
Xylenes, Total	ND		10	3.3	ug/L			11/13/15 04:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*11/13/15 04:46*	*5*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/13/15 04:46*	*5*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/13/15 04:46*	*5*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*11/13/15 04:46*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 6P 110215

Date Collected: 11/02/15 08:06
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-6

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		2.0	1.6	ug/L			11/13/15 05:09	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/13/15 05:09	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/13/15 05:09	2
1,1-Dichloroethane	**5.9**		2.0	0.76	ug/L			11/13/15 05:09	2
1,1-Dichloroethene	**2.7**		2.0	0.58	ug/L			11/13/15 05:09	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/13/15 05:09	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/13/15 05:09	2
2-Hexanone	ND		10	2.5	ug/L			11/13/15 05:09	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/13/15 05:09	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/13/15 05:09	2
Acetone	ND		20	6.0	ug/L			11/13/15 05:09	2
Benzene	ND		2.0	0.82	ug/L			11/13/15 05:09	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/13/15 05:09	2
Bromoform	ND		2.0	0.52	ug/L			11/13/15 05:09	2
Bromomethane	ND		2.0	1.4	ug/L			11/13/15 05:09	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/13/15 05:09	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/13/15 05:09	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/13/15 05:09	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/13/15 05:09	2
Chloroethane	ND		2.0	0.64	ug/L			11/13/15 05:09	2
Chloroform	ND		2.0	0.68	ug/L			11/13/15 05:09	2
Chloromethane	ND		2.0	0.70	ug/L			11/13/15 05:09	2
cis-1,2-Dichloroethene	**11**		2.0	1.6	ug/L			11/13/15 05:09	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/13/15 05:09	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/13/15 05:09	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/13/15 05:09	2
Styrene	ND		2.0	1.5	ug/L			11/13/15 05:09	2
Tetrachloroethene	**1.1**	**J**	2.0	0.72	ug/L			11/13/15 05:09	2
Toluene	ND		2.0	1.0	ug/L			11/13/15 05:09	2
trans-1,2-Dichloroethene	**1.8**	**J**	2.0	1.8	ug/L			11/13/15 05:09	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/13/15 05:09	2
Trichloroethene	**120**		2.0	0.92	ug/L			11/13/15 05:09	2
Vinyl chloride	**2.8**		2.0	1.8	ug/L			11/13/15 05:09	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/13/15 05:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*11/13/15 05:09*	*2*
Toluene-d8 (Surr)	*102*		*71 - 126*		*11/13/15 05:09*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/13/15 05:09*	*2*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*11/13/15 05:09*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: ADP-100 110215

Date Collected: 11/02/15 08:05
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-7

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		1.0	0.82	ug/L			11/13/15 05:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 05:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 05:32	1
1,1-Dichloroethane	**5.7**		1.0	0.38	ug/L			11/13/15 05:32	1
1,1-Dichloroethene	**2.2**		1.0	0.29	ug/L			11/13/15 05:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 05:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 05:32	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 05:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 05:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 05:32	1
Acetone	ND		10	3.0	ug/L			11/13/15 05:32	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 05:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 05:32	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 05:32	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 05:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 05:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 05:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 05:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 05:32	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 05:32	1
Chloroform	**0.41**	**J**	1.0	0.34	ug/L			11/13/15 05:32	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 05:32	1
cis-1,2-Dichloroethene	**11**		1.0	0.81	ug/L			11/13/15 05:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 05:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 05:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 05:32	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 05:32	1
Tetrachloroethene	**1.1**		1.0	0.36	ug/L			11/13/15 05:32	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 05:32	1
trans-1,2-Dichloroethene	**1.6**		1.0	0.90	ug/L			11/13/15 05:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 05:32	1
Vinyl chloride	**3.2**		1.0	0.90	ug/L			11/13/15 05:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*11/13/15 05:32*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*11/13/15 05:32*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/13/15 05:32*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*11/13/15 05:32*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**120**		2.0	0.92	ug/L			11/13/15 16:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*11/13/15 16:11*	*2*
Toluene-d8 (Surr)	*104*		*71 - 126*		*11/13/15 16:11*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/13/15 16:11*	*2*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*11/13/15 16:11*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-90368-1	EW 8D 110215	106	97	99	97
480-90368-2	EW 3D 110215	106	99	99	99
480-90368-2 MS	EW 3D 110215 MS	110	106	111	105
480-90368-2 MSD	EW 3D 110215 MSD	107	107	110	107
480-90368-3	EW 5P 110215	113	105	106	106
480-90368-4	EW 4P 110215	109	100	103	107
480-90368-5	EW 2P 110215	114	110	110	109
480-90368-6	EW 6P 110215	110	102	102	107
480-90368-7	ADP-100 110215	109	103	103	106
480-90368-7 - DL	ADP-100 110215	110	104	102	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
LCS 480-274751/5	Lab Control Sample	99	103	104	100
LCS 480-274827/5	Lab Control Sample	102	107	109	102
MB 480-274751/7	Method Blank	104	99	95	98
MB 480-274827/7	Method Blank	104	100	102	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-274751/7
Matrix: Water
Analysis Batch: 274751

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/12/15 22:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/12/15 22:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/12/15 22:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/12/15 22:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/12/15 22:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/12/15 22:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/12/15 22:29	1
2-Hexanone	ND		5.0	1.2	ug/L			11/12/15 22:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/12/15 22:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/12/15 22:29	1
Acetone	ND		10	3.0	ug/L			11/12/15 22:29	1
Benzene	ND		1.0	0.41	ug/L			11/12/15 22:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/12/15 22:29	1
Bromoform	ND		1.0	0.26	ug/L			11/12/15 22:29	1
Bromomethane	ND		1.0	0.69	ug/L			11/12/15 22:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/12/15 22:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/12/15 22:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/12/15 22:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/12/15 22:29	1
Chloroethane	ND		1.0	0.32	ug/L			11/12/15 22:29	1
Chloroform	ND		1.0	0.34	ug/L			11/12/15 22:29	1
Chloromethane	ND		1.0	0.35	ug/L			11/12/15 22:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/12/15 22:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/12/15 22:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/12/15 22:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/12/15 22:29	1
Styrene	ND		1.0	0.73	ug/L			11/12/15 22:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/12/15 22:29	1
Toluene	ND		1.0	0.51	ug/L			11/12/15 22:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/12/15 22:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/12/15 22:29	1
Trichloroethene	ND		1.0	0.46	ug/L			11/12/15 22:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/12/15 22:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/12/15 22:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*11/12/15 22:29*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*11/12/15 22:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/12/15 22:29*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*11/12/15 22:29*	*1*

Lab Sample ID: LCS 480-274751/5
Matrix: Water
Analysis Batch: 274751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		100	70 - 126

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

Lab Sample ID: LCS 480-274751/5
Matrix: Water
Analysis Batch: 274751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	24.5		ug/L		98	58 - 121
1,2-Dichloroethane	25.0	24.5		ug/L		98	75 - 127
1,2-Dichloropropane	25.0	25.9		ug/L		103	76 - 120
2-Hexanone	125	122		ug/L		98	65 - 127
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	110		ug/L		88	56 - 142
Benzene	25.0	24.6		ug/L		99	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	20.5		ug/L		82	52 - 132
Bromomethane	25.0	27.6		ug/L		110	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	25.9		ug/L		103	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	72 - 120
Dibromochloromethane	25.0	22.8		ug/L		91	75 - 125
Chloroethane	25.0	26.1		ug/L		104	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	19.3		ug/L		77	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Ethylbenzene	25.0	25.9		ug/L		103	77 - 123
Methylene Chloride	25.0	24.7		ug/L		99	57 - 132
Styrene	25.0	27.4		ug/L		110	70 - 130
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	26.0		ug/L		104	72 - 123
Trichloroethene	25.0	24.9		ug/L		100	74 - 123
Vinyl chloride	25.0	22.1		ug/L		89	65 - 133
Xylenes, Total	50.0	52.5		ug/L		105	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
Toluene-d8 (Surr)	*103*		*71 - 126*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: 480-90368-2 MS
Matrix: Ground Water
Analysis Batch: 274751

Client Sample ID: EW 3D 110215 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	117		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	104		ug/L		104	70 - 126
1,1,2-Trichloroethane	ND		100	107		ug/L		107	76 - 122
1,1-Dichloroethane	ND		100	105		ug/L		105	71 - 129

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

Lab Sample ID: 480-90368-2 MS
Matrix: Ground Water
Analysis Batch: 274751

Client Sample ID: EW 3D 110215 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		100	103		ug/L		103	58 - 121
1,2-Dichloroethane	ND		100	106		ug/L		106	75 - 127
1,2-Dichloropropane	ND		100	110		ug/L		110	76 - 120
2-Hexanone	ND		500	572		ug/L		114	65 - 127
2-Butanone (MEK)	ND		500	509		ug/L		102	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	559		ug/L		112	71 - 125
Acetone	ND		500	495		ug/L		99	56 - 142
Benzene	ND		100	106		ug/L		106	71 - 124
Bromodichloromethane	ND		100	106		ug/L		106	80 - 122
Bromoform	ND		100	76.3		ug/L		76	52 - 132
Bromomethane	ND		100	116		ug/L		116	55 - 144
Carbon disulfide	ND		100	102		ug/L		102	59 - 134
Carbon tetrachloride	ND		100	108		ug/L		108	72 - 134
Chlorobenzene	ND		100	109		ug/L		109	72 - 120
Dibromochloromethane	ND		100	93.2		ug/L		93	75 - 125
Chloroethane	ND		100	118		ug/L		118	69 - 136
Chloroform	ND		100	108		ug/L		108	73 - 127
Chloromethane	ND		100	96.0		ug/L		96	68 - 124
cis-1,2-Dichloroethene	150		100	237		ug/L		91	74 - 124
cis-1,3-Dichloropropene	ND		100	103		ug/L		103	74 - 124
Ethylbenzene	ND		100	109		ug/L		109	77 - 123
Methylene Chloride	ND		100	104		ug/L		104	57 - 132
Styrene	ND		100	120		ug/L		120	70 - 130
Tetrachloroethene	ND		100	111		ug/L		111	74 - 122
Toluene	ND		100	110		ug/L		110	80 - 122
trans-1,2-Dichloroethene	27		100	130		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		100	102		ug/L		102	72 - 123
Trichloroethene	210		100	306		ug/L		97	74 - 123
Vinyl chloride	4.0		100	110		ug/L		106	65 - 133
Xylenes, Total	ND		200	220		ug/L		110	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*
Toluene-d8 (Surr)	*106*		*71 - 126*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

Lab Sample ID: 480-90368-2 MSD
Matrix: Ground Water
Analysis Batch: 274751

Client Sample ID: EW 3D 110215 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	112		ug/L		112	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		100	104		ug/L		104	70 - 126	0	15
1,1,2-Trichloroethane	ND		100	109		ug/L		109	76 - 122	1	15
1,1-Dichloroethane	ND		100	103		ug/L		103	71 - 129	2	20
1,1-Dichloroethene	ND		100	99.6		ug/L		100	58 - 121	4	16
1,2-Dichloroethane	ND		100	104		ug/L		104	75 - 127	1	20

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

Lab Sample ID: 480-90368-2 MSD
Matrix: Ground Water
Analysis Batch: 274751

Client Sample ID: EW 3D 110215 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		100	107		ug/L		107	76 - 120	3	20
2-Hexanone	ND		500	567		ug/L		113	65 - 127	1	15
2-Butanone (MEK)	ND		500	502		ug/L		100	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		500	557		ug/L		111	71 - 125	0	35
Acetone	ND		500	489		ug/L		98	56 - 142	1	15
Benzene	ND		100	104		ug/L		104	71 - 124	2	13
Bromodichloromethane	ND		100	105		ug/L		105	80 - 122	2	15
Bromoform	ND		100	81.6		ug/L		82	52 - 132	7	15
Bromomethane	ND		100	110		ug/L		110	55 - 144	5	15
Carbon disulfide	ND		100	103		ug/L		103	59 - 134	1	15
Carbon tetrachloride	ND		100	108		ug/L		108	72 - 134	0	15
Chlorobenzene	ND		100	107		ug/L		107	72 - 120	2	25
Dibromochloromethane	ND		100	92.0		ug/L		92	75 - 125	1	15
Chloroethane	ND		100	111		ug/L		111	69 - 136	6	15
Chloroform	ND		100	103		ug/L		103	73 - 127	5	20
Chloromethane	ND		100	93.4		ug/L		93	68 - 124	3	15
cis-1,2-Dichloroethene	150		100	232		ug/L		86	74 - 124	2	15
cis-1,3-Dichloropropene	ND		100	104		ug/L		104	74 - 124	2	15
Ethylbenzene	ND		100	109		ug/L		109	77 - 123	0	15
Methylene Chloride	ND		100	98.8		ug/L		99	57 - 132	5	15
Styrene	ND		100	116		ug/L		116	70 - 130	3	20
Tetrachloroethene	ND		100	104		ug/L		104	74 - 122	6	20
Toluene	ND		100	106		ug/L		106	80 - 122	4	15
trans-1,2-Dichloroethene	27		100	133		ug/L		106	73 - 127	2	20
trans-1,3-Dichloropropene	ND		100	107		ug/L		107	72 - 123	4	15
Trichloroethene	210		100	297		ug/L		87	74 - 123	3	16
Vinyl chloride	4.0		100	105		ug/L		101	65 - 133	5	15
Xylenes, Total	ND		200	217		ug/L		109	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*
Toluene-d8 (Surr)	*107*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*60 - 140*

Lab Sample ID: MB 480-274827/7
Matrix: Water
Analysis Batch: 274827

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/15 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/15 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/15 11:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/15 11:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/15 11:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/15 11:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/15 11:40	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/15 11:40	1

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

Lab Sample ID: MB 480-274827/7
Matrix: Water
Analysis Batch: 274827

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/15 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/15 11:40	1
Acetone	ND		10	3.0	ug/L			11/13/15 11:40	1
Benzene	ND		1.0	0.41	ug/L			11/13/15 11:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/15 11:40	1
Bromoform	ND		1.0	0.26	ug/L			11/13/15 11:40	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/15 11:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/15 11:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/15 11:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/15 11:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/15 11:40	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/15 11:40	1
Chloroform	ND		1.0	0.34	ug/L			11/13/15 11:40	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/15 11:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/15 11:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/15 11:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/15 11:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/15 11:40	1
Styrene	ND		1.0	0.73	ug/L			11/13/15 11:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/15 11:40	1
Toluene	ND		1.0	0.51	ug/L			11/13/15 11:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/15 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/15 11:40	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/15 11:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/15 11:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/15 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*11/13/15 11:40*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*11/13/15 11:40*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/13/15 11:40*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*		*11/13/15 11:40*	*1*

Lab Sample ID: LCS 480-274827/5
Matrix: Water
Analysis Batch: 274827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.1		ug/L		105	70 - 126
1,1,2-Trichloroethane	25.0	27.0		ug/L		108	76 - 122
1,1-Dichloroethane	25.0	24.7		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	23.4		ug/L		94	58 - 121
1,2-Dichloroethane	25.0	25.6		ug/L		103	75 - 127
1,2-Dichloropropane	25.0	26.0		ug/L		104	76 - 120
2-Hexanone	125	151		ug/L		121	65 - 127
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	125	144		ug/L		115	71 - 125

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

Lab Sample ID: LCS 480-274827/5
Matrix: Water
Analysis Batch: 274827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	24.1		ug/L		96	52 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	25.0		ug/L		100	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	72 - 120
Dibromochloromethane	25.0	24.7		ug/L		99	75 - 125
Chloroethane	25.0	25.1		ug/L		100	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	21.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	27.1		ug/L		108	74 - 124
Ethylbenzene	25.0	26.6		ug/L		106	77 - 123
Methylene Chloride	25.0	24.1		ug/L		97	57 - 132
Styrene	25.0	29.2		ug/L		117	70 - 130
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	26.1		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	28.3		ug/L		113	72 - 123
Trichloroethene	25.0	25.4		ug/L		101	74 - 123
Vinyl chloride	25.0	23.8		ug/L		95	65 - 133
Xylenes, Total	50.0	54.2		ug/L		108	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
Toluene-d8 (Surr)	*107*		*71 - 126*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

GC/MS VOA

Analysis Batch: 274751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90368-1	EW 8D 110215	Total/NA	Ground Water	8260C	
480-90368-2	EW 3D 110215	Total/NA	Ground Water	8260C	
480-90368-2 MS	EW 3D 110215 MS	Total/NA	Ground Water	8260C	
480-90368-2 MSD	EW 3D 110215 MSD	Total/NA	Ground Water	8260C	
480-90368-3	EW 5P 110215	Total/NA	Ground Water	8260C	
480-90368-4	EW 4P 110215	Total/NA	Ground Water	8260C	
480-90368-5	EW 2P 110215	Total/NA	Ground Water	8260C	
480-90368-6	EW 6P 110215	Total/NA	Ground Water	8260C	
480-90368-7	ADP-100 110215	Total/NA	Ground Water	8260C	
LCS 480-274751/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-274751/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 274827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90368-7 - DL	ADP-100 110215	Total/NA	Ground Water	8260C	
LCS 480-274827/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-274827/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: EW 8D 110215
Lab Sample ID: 480-90368-1
Date Collected: 11/02/15 09:10
Matrix: Ground Water
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274751	11/13/15 03:15	JWG	TAL BUF

Client Sample ID: EW 3D 110215
Lab Sample ID: 480-90368-2
Date Collected: 11/02/15 08:50
Matrix: Ground Water
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	274751	11/13/15 03:38	JWG	TAL BUF

Client Sample ID: EW 5P 110215
Lab Sample ID: 480-90368-3
Date Collected: 11/02/15 08:22
Matrix: Ground Water
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	274751	11/13/15 04:01	JWG	TAL BUF

Client Sample ID: EW 4P 110215
Lab Sample ID: 480-90368-4
Date Collected: 11/02/15 08:19
Matrix: Ground Water
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	274751	11/13/15 04:24	JWG	TAL BUF

Client Sample ID: EW 2P 110215
Lab Sample ID: 480-90368-5
Date Collected: 11/02/15 08:12
Matrix: Ground Water
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	274751	11/13/15 04:46	JWG	TAL BUF

Client Sample ID: EW 6P 110215
Lab Sample ID: 480-90368-6
Date Collected: 11/02/15 08:06
Matrix: Ground Water
Date Received: 11/03/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	274751	11/13/15 05:09	JWG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Client Sample ID: ADP-100 110215

Date Collected: 11/02/15 08:05
Date Received: 11/03/15 09:00

Lab Sample ID: 480-90368-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	274751	11/13/15 05:32	JWG	TAL BUF
Total/NA	Analysis	8260C	DL	2	274827	11/13/15 16:11	JWG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-15 *
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-90368-1
SDG: 480-90368-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-90368-1	EW 8D 110215	Ground Water	11/02/15 09:10	11/03/15 09:00
480-90368-2	EW 3D 110215	Ground Water	11/02/15 08:50	11/03/15 09:00
480-90368-3	EW 5P 110215	Ground Water	11/02/15 08:22	11/03/15 09:00
480-90368-4	EW 4P 110215	Ground Water	11/02/15 08:19	11/03/15 09:00
480-90368-5	EW 2P 110215	Ground Water	11/02/15 08:12	11/03/15 09:00
480-90368-6	EW 6P 110215	Ground Water	11/02/15 08:06	11/03/15 09:00
480-90368-7	ADP-100 110215	Ground Water	11/02/15 08:05	11/03/15 09:00

48003453

Chain of Custody Record

Buffalo

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client: O'Brien & Gere Inc	Project Manager: Tony Finch	Date: 11-2-15	Chain of Custody Number: 291616
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 248-477-5701	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Shove	
Project Name and Location (State): GE-IRM / Ohio	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1131112			

Analysis (Attach list if more space is needed): 8260B VOCs

Special Instructions/

480-90368 Chain of Custody

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		8260B VOCs
EW-8D 110215	11-2-15	9:10		X							3				X
EW-3D 110215 (MS/MSD)		8:50		X							9				X
EW-5P 110215		8:22		X							3				X
EW-4P 110215		8:19		X							3				X
EW-2P 110215		8:12		X							3				X
EW-6P 110215		8:06		X							3				X
AFP-100 110215		8:05		X							3				X

Cincinnati 210501

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____ 9:55

QC Requirements (Specify)

1. Relinquished By: Mike McLaughlin	Date: 11/2/15	Time: 9:55	1. Received By: [signature]	Date: 11/2/15	Time: 9:55
2. Relinquished By: [signature]	Date: 11/2/15	Time: 9:55	2. Received By: [signature]	Date: 11/3/15	Time: 0900
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.8 #1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-90368-1
SDG Number: 480-90368-1

Login Number: 90368
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	obg
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-91186-1
TestAmerica Sample Delivery Group: 480-91186-1
Client Project/Site: GE Evendale - IRM Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
11/30/2015 1:39:02 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Job ID: 480-91186-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91186-1

Comments
No additional comments.

Receipt
The samples were received on 11/17/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT 111615 (480-91186-2) and MIXING TANK 111615 (480-91186-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-277206 recovered above the upper control limit for Carbon Tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TRIP BLANK (480-91186-1), INFLUENT 111615 (480-91186-2), MIXING TANK 111615 (480-91186-3) and EFFLUENT 111615 (480-91186-4).

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-91186-1

No Detections.

Client Sample ID: INFLUENT 111615 — Lab Sample ID: 480-91186-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	29		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.8		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.8	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	47		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.6		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.5		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: MIXING TANK 111615 — Lab Sample ID: 480-91186-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	32		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.9		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.7	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	40		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	5.5		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	1.8	J	2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: EFFLUENT 111615 — Lab Sample ID: 480-91186-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-91186-1

Date Collected: 11/16/15 00:00
Matrix: Water
Date Received: 11/17/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/28/15 00:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/28/15 00:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/28/15 00:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/28/15 00:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/28/15 00:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/28/15 00:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/28/15 00:54	1
2-Hexanone	ND		5.0	1.2	ug/L			11/28/15 00:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/28/15 00:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/28/15 00:54	1
Acetone	ND		10	3.0	ug/L			11/28/15 00:54	1
Benzene	ND		1.0	0.41	ug/L			11/28/15 00:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/28/15 00:54	1
Bromoform	ND		1.0	0.26	ug/L			11/28/15 00:54	1
Bromomethane	ND		1.0	0.69	ug/L			11/28/15 00:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/28/15 00:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/28/15 00:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/28/15 00:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/28/15 00:54	1
Chloroethane	ND		1.0	0.32	ug/L			11/28/15 00:54	1
Chloroform	ND		1.0	0.34	ug/L			11/28/15 00:54	1
Chloromethane	ND		1.0	0.35	ug/L			11/28/15 00:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/28/15 00:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/28/15 00:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/15 00:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/28/15 00:54	1
Styrene	ND		1.0	0.73	ug/L			11/28/15 00:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/28/15 00:54	1
Toluene	ND		1.0	0.51	ug/L			11/28/15 00:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/28/15 00:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/28/15 00:54	1
Trichloroethene	ND		1.0	0.46	ug/L			11/28/15 00:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/28/15 00:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/15 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*11/28/15 00:54*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*11/28/15 00:54*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*11/28/15 00:54*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*11/28/15 00:54*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Client Sample ID: INFLUENT 111615

Lab Sample ID: 480-91186-2

Date Collected: 11/16/15 06:30
Matrix: Water
Date Received: 11/17/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**29**		2.0	1.6	ug/L			11/28/15 01:22	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/28/15 01:22	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/28/15 01:22	2
1,1-Dichloroethane	**5.8**		2.0	0.76	ug/L			11/28/15 01:22	2
1,1-Dichloroethene	**1.8**	**J**	2.0	0.58	ug/L			11/28/15 01:22	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/28/15 01:22	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/28/15 01:22	2
2-Hexanone	ND		10	2.5	ug/L			11/28/15 01:22	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/28/15 01:22	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/28/15 01:22	2
Acetone	ND		20	6.0	ug/L			11/28/15 01:22	2
Benzene	ND		2.0	0.82	ug/L			11/28/15 01:22	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/28/15 01:22	2
Bromoform	ND		2.0	0.52	ug/L			11/28/15 01:22	2
Bromomethane	ND		2.0	1.4	ug/L			11/28/15 01:22	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/28/15 01:22	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/28/15 01:22	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/28/15 01:22	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/28/15 01:22	2
Chloroethane	ND		2.0	0.64	ug/L			11/28/15 01:22	2
Chloroform	ND		2.0	0.68	ug/L			11/28/15 01:22	2
Chloromethane	ND		2.0	0.70	ug/L			11/28/15 01:22	2
cis-1,2-Dichloroethene	**47**		2.0	1.6	ug/L			11/28/15 01:22	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/28/15 01:22	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/28/15 01:22	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/28/15 01:22	2
Styrene	ND		2.0	1.5	ug/L			11/28/15 01:22	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/28/15 01:22	2
Toluene	ND		2.0	1.0	ug/L			11/28/15 01:22	2
trans-1,2-Dichloroethene	**7.6**		2.0	1.8	ug/L			11/28/15 01:22	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/28/15 01:22	2
Trichloroethene	**120**		2.0	0.92	ug/L			11/28/15 01:22	2
Vinyl chloride	**3.5**		2.0	1.8	ug/L			11/28/15 01:22	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/28/15 01:22	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*11/28/15 01:22*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*11/28/15 01:22*	*2*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*11/28/15 01:22*	*2*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*11/28/15 01:22*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Client Sample ID: MIXING TANK 111615

Lab Sample ID: 480-91186-3
Date Collected: 11/16/15 06:20
Matrix: Water
Date Received: 11/17/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**32**		2.0	1.6	ug/L			11/28/15 01:49	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/28/15 01:49	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/28/15 01:49	2
1,1-Dichloroethane	**6.9**		2.0	0.76	ug/L			11/28/15 01:49	2
1,1-Dichloroethene	**1.7**	**J**	2.0	0.58	ug/L			11/28/15 01:49	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/28/15 01:49	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/28/15 01:49	2
2-Hexanone	ND		10	2.5	ug/L			11/28/15 01:49	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/28/15 01:49	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/28/15 01:49	2
Acetone	ND		20	6.0	ug/L			11/28/15 01:49	2
Benzene	ND		2.0	0.82	ug/L			11/28/15 01:49	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/28/15 01:49	2
Bromoform	ND		2.0	0.52	ug/L			11/28/15 01:49	2
Bromomethane	ND		2.0	1.4	ug/L			11/28/15 01:49	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/28/15 01:49	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/28/15 01:49	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/28/15 01:49	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/28/15 01:49	2
Chloroethane	ND		2.0	0.64	ug/L			11/28/15 01:49	2
Chloroform	ND		2.0	0.68	ug/L			11/28/15 01:49	2
Chloromethane	ND		2.0	0.70	ug/L			11/28/15 01:49	2
cis-1,2-Dichloroethene	**40**		2.0	1.6	ug/L			11/28/15 01:49	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/28/15 01:49	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/28/15 01:49	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/28/15 01:49	2
Styrene	ND		2.0	1.5	ug/L			11/28/15 01:49	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/28/15 01:49	2
Toluene	ND		2.0	1.0	ug/L			11/28/15 01:49	2
trans-1,2-Dichloroethene	**5.5**		2.0	1.8	ug/L			11/28/15 01:49	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/28/15 01:49	2
Trichloroethene	**110**		2.0	0.92	ug/L			11/28/15 01:49	2
Vinyl chloride	**1.8**	**J**	2.0	1.8	ug/L			11/28/15 01:49	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/28/15 01:49	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*11/28/15 01:49*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*11/28/15 01:49*	*2*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*11/28/15 01:49*	*2*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*11/28/15 01:49*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Client Sample ID: EFFLUENT 111615

Lab Sample ID: 480-91186-4
Date Collected: 11/16/15 06:15
Matrix: Water
Date Received: 11/17/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/28/15 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/28/15 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/28/15 02:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/28/15 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/28/15 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/28/15 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/28/15 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			11/28/15 02:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/28/15 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/28/15 02:16	1
Acetone	ND		10	3.0	ug/L			11/28/15 02:16	1
Benzene	ND		1.0	0.41	ug/L			11/28/15 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/28/15 02:16	1
Bromoform	ND		1.0	0.26	ug/L			11/28/15 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			11/28/15 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/28/15 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/28/15 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/28/15 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/28/15 02:16	1
Chloroethane	ND		1.0	0.32	ug/L			11/28/15 02:16	1
Chloroform	ND		1.0	0.34	ug/L			11/28/15 02:16	1
Chloromethane	ND		1.0	0.35	ug/L			11/28/15 02:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/28/15 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/28/15 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/15 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/28/15 02:16	1
Styrene	ND		1.0	0.73	ug/L			11/28/15 02:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/28/15 02:16	1
Toluene	ND		1.0	0.51	ug/L			11/28/15 02:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/28/15 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/28/15 02:16	1
Trichloroethene	ND		1.0	0.46	ug/L			11/28/15 02:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/28/15 02:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/15 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*11/28/15 02:16*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*11/28/15 02:16*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*11/28/15 02:16*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*11/28/15 02:16*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-91186-1	TRIP BLANK	99	90	88	102
480-91186-2	INFLUENT 111615	101	92	89	107
480-91186-3	MIXING TANK 111615	105	92	88	105
480-91186-4	EFFLUENT 111615	105	90	89	105
LCS 480-277206/5	Lab Control Sample	100	97	96	101
MB 480-277206/7	Method Blank	101	92	89	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-277206/7
Matrix: Water
Analysis Batch: 277206

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/28/15 00:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/28/15 00:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/28/15 00:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/28/15 00:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/28/15 00:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/28/15 00:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/28/15 00:26	1
2-Hexanone	ND		5.0	1.2	ug/L			11/28/15 00:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/28/15 00:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/28/15 00:26	1
Acetone	ND		10	3.0	ug/L			11/28/15 00:26	1
Benzene	ND		1.0	0.41	ug/L			11/28/15 00:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/28/15 00:26	1
Bromoform	ND		1.0	0.26	ug/L			11/28/15 00:26	1
Bromomethane	ND		1.0	0.69	ug/L			11/28/15 00:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/28/15 00:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/28/15 00:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/28/15 00:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/28/15 00:26	1
Chloroethane	ND		1.0	0.32	ug/L			11/28/15 00:26	1
Chloroform	ND		1.0	0.34	ug/L			11/28/15 00:26	1
Chloromethane	ND		1.0	0.35	ug/L			11/28/15 00:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/28/15 00:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/28/15 00:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/28/15 00:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/28/15 00:26	1
Styrene	ND		1.0	0.73	ug/L			11/28/15 00:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/28/15 00:26	1
Toluene	ND		1.0	0.51	ug/L			11/28/15 00:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/28/15 00:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/28/15 00:26	1
Trichloroethene	ND		1.0	0.46	ug/L			11/28/15 00:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/28/15 00:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/28/15 00:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*11/28/15 00:26*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*		*11/28/15 00:26*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*11/28/15 00:26*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*11/28/15 00:26*	*1*

Lab Sample ID: LCS 480-277206/5
Matrix: Water
Analysis Batch: 277206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.8		ug/L		115	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	70 - 126

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

Lab Sample ID: LCS 480-277206/5
Matrix: Water
Analysis Batch: 277206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	26.6		ug/L		106	71 - 129
1,1-Dichloroethene	25.0	28.7		ug/L		115	58 - 121
1,2-Dichloroethane	25.0	26.0		ug/L		104	75 - 127
1,2-Dichloropropane	25.0	26.0		ug/L		104	76 - 120
2-Hexanone	125	124		ug/L		99	65 - 127
2-Butanone (MEK)	125	126		ug/L		100	57 - 140
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	26.2		ug/L		105	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	25.0		ug/L		100	52 - 132
Bromomethane	25.0	25.7		ug/L		103	55 - 144
Carbon disulfide	25.0	26.3		ug/L		105	59 - 134
Carbon tetrachloride	25.0	31.7		ug/L		127	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	72 - 120
Dibromochloromethane	25.0	25.9		ug/L		104	75 - 125
Chloroethane	25.0	27.6		ug/L		111	69 - 136
Chloroform	25.0	26.0		ug/L		104	73 - 127
Chloromethane	25.0	26.2		ug/L		105	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Methylene Chloride	25.0	25.2		ug/L		101	57 - 132
Styrene	25.0	24.5		ug/L		98	70 - 130
Tetrachloroethene	25.0	26.6		ug/L		106	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	26.6		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	72 - 123
Trichloroethene	25.0	26.8		ug/L		107	74 - 123
Vinyl chloride	25.0	28.2		ug/L		113	65 - 133
Xylenes, Total	50.0	50.9		ug/L		102	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

GC/MS VOA

Analysis Batch: 277206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91186-1	TRIP BLANK	Total/NA	Water	8260C	
480-91186-2	INFLUENT 111615	Total/NA	Water	8260C	
480-91186-3	MIXING TANK 111615	Total/NA	Water	8260C	
480-91186-4	EFFLUENT 111615	Total/NA	Water	8260C	
LCS 480-277206/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-277206/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-91186-1

Date Collected: 11/16/15 00:00 — **Matrix: Water**
Date Received: 11/17/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	277206	11/28/15 00:54	GVF	TAL BUF

Client Sample ID: INFLUENT 111615 — Lab Sample ID: 480-91186-2

Date Collected: 11/16/15 06:30 — **Matrix: Water**
Date Received: 11/17/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	277206	11/28/15 01:22	GVF	TAL BUF

Client Sample ID: MIXING TANK 111615 — Lab Sample ID: 480-91186-3

Date Collected: 11/16/15 06:20 — **Matrix: Water**
Date Received: 11/17/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	277206	11/28/15 01:49	GVF	TAL BUF

Client Sample ID: EFFLUENT 111615 — Lab Sample ID: 480-91186-4

Date Collected: 11/16/15 06:15 — **Matrix: Water**
Date Received: 11/17/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	277206	11/28/15 02:16	GVF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91186-1
SDG: 480-91186-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91186-1	TRIP BLANK	Water	11/16/15 00:00	11/17/15 09:30
480-91186-2	INFLUENT 111615	Water	11/16/15 06:30	11/17/15 09:30
480-91186-3	MIXING TANK 111615	Water	11/16/15 06:20	11/17/15 09:30
480-91186-4	EFFLUENT 111615	Water	11/16/15 06:15	11/17/15 09:30

48003453

Chain of Custody Record

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmer

THE LEADER IN ENVIRONMENT

480-91186 Chain of Custody

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 11-16-15	Chain of Custody Number: 291615
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-804-1220	Lab Number:	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE-IRM Ohio	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 11311127			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs (8260B)
Trip Blank	11/16/15			X						2			X
Effluent 111615	↓	6:30		X						3			X
Mixing Tank 111615	↓	6:20		X						3			X
Effluent 111615	↓	6:15		X						3			X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Cincinnati 210501

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

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

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	11/16/15	8:47	1. Received By:	11/16/15	8:47
2. Relinquished By:	11/16/15	8:47	2. Received By:	11/17/15	0930
3. Relinquished By:			3. Received By:		

Comments: 2.0 #1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91186-1
SDG Number: 480-91186-1

Login Number: 91186
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	OBG
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-91840-1
TestAmerica Sample Delivery Group: 480-91840-1
Client Project/Site: GE Semi Annual Event

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
12/15/2015 12:04:48 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-91840-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91840-1

Comments
No additional comments.

Receipt
The samples were received on 12/1/2015 11:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: AF-5P-113015 (480-91840-6), AF-3P-113015 (480-91840-10) and AOC LDMW-1S-113015 (480-91840-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 480-278268. The following samples are impacted: Trip Blank (480-91840-1), OSMW-4S-113015 (480-91840-2), OSMW-4D-113015 (480-91840-3), TMW-1S-113015 (480-91840-4), TMW-1D-113015 (480-91840-5), AF-5P-113015 (480-91840-6), AF-5S-113015 (480-91840-7), AF-5D-113015 (480-91840-8), AF-2P-113015 (480-91840-9), AF-3P-113015 (480-91840-10), DUP-01-113015 (480-91840-11), AOC LDMW-1S-113015 (480-91840-12) and AOC PSTMW-1SR-113015 (480-91840-13).

Method(s) 8260C: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 480-279470 exceeded control limits for the following analytes: Chloroethane, 2-Butanone and Bromomethane. Note that these analytes are known poor performers when analyzed using this method; therefore, the data have been reported. AF-5D-113015 MS (480-91840-8[MS]) and AF-5D-113015 MSD (480-91840-8[MSD])

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with analytical batch 279470. The following samples are impacted: AF-5D-113015 MS (480-91840-8[MS]) and AF-5D-113015 MSD (480-91840-8[MSD]).

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-91840-1

No Detections.

Client Sample ID: OSMW-4S-113015 — Lab Sample ID: 480-91840-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-4D-113015 — Lab Sample ID: 480-91840-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.7		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.3		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	5.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-1S-113015 — Lab Sample ID: 480-91840-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.5		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	1.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-1D-113015 — Lab Sample ID: 480-91840-5

No Detections.

Client Sample ID: AF-5P-113015 — Lab Sample ID: 480-91840-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	39		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	3.8	J	4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	3.9	J	4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	100		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: AF-5S-113015 — Lab Sample ID: 480-91840-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.7		1.0	0.38	ug/L	1		8260C	Total/NA
Benzene	0.41	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chloroethane	0.71	J	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.4		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	35		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-5D-113015 — Lab Sample ID: 480-91840-8

No Detections.

Client Sample ID: AF-2P-113015 — Lab Sample ID: 480-91840-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.2		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	7.8		1.0	0.38	ug/L	1		8260C	Total/NA
Trichloroethene	35		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AF-3P-113015 — Lab Sample ID: 480-91840-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	13		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	1.1	J	2.0	0.76	ug/L	2		8260C	Total/NA
Tetrachloroethene	8.9		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	44		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: DUP-01-113015 — Lab Sample ID: 480-91840-11

No Detections.

Client Sample ID: AOC LDMW-1S-113015 — Lab Sample ID: 480-91840-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	170		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	170		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	9.3		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	4.6	J	5.0	1.7	ug/L	5		8260C	Total/NA
Trichloroethene	180		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: AOC PSTMW-1SR-113015 — Lab Sample ID: 480-91840-13

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: Trip Blank

Date Collected: 11/30/15 00:00
Date Received: 12/01/15 11:00

Lab Sample ID: 480-91840-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 01:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 01:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 01:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/05/15 01:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 01:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 01:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 01:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 01:44	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 01:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 01:44	1
Acetone	ND		10	3.0	ug/L			12/05/15 01:44	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 01:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 01:44	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 01:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 01:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 01:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 01:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 01:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 01:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 01:44	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 01:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 01:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 01:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 01:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 01:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 01:44	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 01:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 01:44	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 01:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 01:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 01:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 01:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/05/15 01:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 01:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/05/15 01:44*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/05/15 01:44*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/05/15 01:44*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*12/05/15 01:44*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: OSMW-4S-113015

Lab Sample ID: 480-91840-2

Date Collected: 11/30/15 09:06
Matrix: Water
Date Received: 12/01/15 11:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 02:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 02:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 02:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/05/15 02:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 02:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 02:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 02:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 02:08	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 02:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 02:08	1
Acetone	ND		10	3.0	ug/L			12/05/15 02:08	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 02:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 02:08	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 02:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 02:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 02:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 02:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 02:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 02:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 02:08	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 02:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 02:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 02:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 02:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 02:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 02:08	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 02:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 02:08	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 02:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 02:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 02:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 02:08	1
Vinyl chloride	**2.2**		1.0	0.90	ug/L			12/05/15 02:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/05/15 02:08*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/05/15 02:08*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/05/15 02:08*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*12/05/15 02:08*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: OSMW-4D-113015

Lab Sample ID: 480-91840-3

Date Collected: 11/30/15 09:11
Matrix: Water
Date Received: 12/01/15 11:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 02:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 02:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 02:32	1
1,1-Dichloroethane	**1.7**		1.0	0.38	ug/L			12/05/15 02:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 02:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 02:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 02:32	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 02:32	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 02:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 02:32	1
Acetone	ND		10	3.0	ug/L			12/05/15 02:32	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 02:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 02:32	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 02:32	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 02:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 02:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 02:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 02:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 02:32	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 02:32	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 02:32	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 02:32	1
cis-1,2-Dichloroethene	**2.3**		1.0	0.81	ug/L			12/05/15 02:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 02:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 02:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 02:32	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 02:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 02:32	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 02:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 02:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 02:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 02:32	1
Vinyl chloride	**5.8**		1.0	0.90	ug/L			12/05/15 02:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*12/05/15 02:32*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/05/15 02:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/05/15 02:32*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/05/15 02:32*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: TMW-1S-113015

Lab Sample ID: 480-91840-4

Date Collected: 11/30/15 09:41
Matrix: Water
Date Received: 12/01/15 11:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 02:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 02:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 02:56	1
1,1-Dichloroethane	**2.5**		1.0	0.38	ug/L			12/05/15 02:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 02:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 02:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 02:56	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 02:56	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 02:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 02:56	1
Acetone	**3.3**	**J**	10	3.0	ug/L			12/05/15 02:56	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 02:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 02:56	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 02:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 02:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 02:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 02:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 02:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 02:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 02:56	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 02:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 02:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 02:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 02:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 02:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 02:56	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 02:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 02:56	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 02:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 02:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 02:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 02:56	1
Vinyl chloride	**1.4**		1.0	0.90	ug/L			12/05/15 02:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/05/15 02:56*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/05/15 02:56*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/05/15 02:56*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*12/05/15 02:56*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: TMW-1D-113015

Lab Sample ID: 480-91840-5

Date Collected: 11/30/15 09:47
Date Received: 12/01/15 11:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 03:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/05/15 03:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 03:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 03:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 03:20	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 03:20	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 03:20	1
Acetone	ND		10	3.0	ug/L			12/05/15 03:20	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 03:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 03:20	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 03:20	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 03:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 03:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 03:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 03:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 03:20	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 03:20	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 03:20	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 03:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 03:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 03:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 03:20	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 03:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 03:20	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 03:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 03:20	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 03:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/05/15 03:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/05/15 03:20*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/05/15 03:20*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/05/15 03:20*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*12/05/15 03:20*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AF-5P-113015

Lab Sample ID: 480-91840-6

Date Collected: 11/30/15 10:27
Date Received: 12/01/15 11:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**39**		4.0	3.3	ug/L			12/05/15 03:43	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/05/15 03:43	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/05/15 03:43	4
1,1-Dichloroethane	**3.8**	**J**	4.0	1.5	ug/L			12/05/15 03:43	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/05/15 03:43	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/05/15 03:43	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/05/15 03:43	4
2-Hexanone	ND		20	5.0	ug/L			12/05/15 03:43	4
2-Butanone (MEK)	ND	*	40	5.3	ug/L			12/05/15 03:43	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/05/15 03:43	4
Acetone	ND		40	12	ug/L			12/05/15 03:43	4
Benzene	ND		4.0	1.6	ug/L			12/05/15 03:43	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/05/15 03:43	4
Bromoform	ND		4.0	1.0	ug/L			12/05/15 03:43	4
Bromomethane	ND		4.0	2.8	ug/L			12/05/15 03:43	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/05/15 03:43	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/05/15 03:43	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/05/15 03:43	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/05/15 03:43	4
Chloroethane	ND		4.0	1.3	ug/L			12/05/15 03:43	4
Chloroform	ND		4.0	1.4	ug/L			12/05/15 03:43	4
Chloromethane	ND		4.0	1.4	ug/L			12/05/15 03:43	4
cis-1,2-Dichloroethene	**3.9**	**J**	4.0	3.2	ug/L			12/05/15 03:43	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/05/15 03:43	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/05/15 03:43	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/05/15 03:43	4
Styrene	ND		4.0	2.9	ug/L			12/05/15 03:43	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/05/15 03:43	4
Toluene	ND		4.0	2.0	ug/L			12/05/15 03:43	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/05/15 03:43	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/05/15 03:43	4
Trichloroethene	**100**		4.0	1.8	ug/L			12/05/15 03:43	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/05/15 03:43	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/05/15 03:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/05/15 03:43*	*4*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/05/15 03:43*	*4*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/05/15 03:43*	*4*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*12/05/15 03:43*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AF-5S-113015

Date Collected: 11/30/15 10:34
Date Received: 12/01/15 11:00

Lab Sample ID: 480-91840-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 04:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 04:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 04:07	1
1,1-Dichloroethane	**4.7**		1.0	0.38	ug/L			12/05/15 04:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 04:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 04:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 04:07	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 04:07	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 04:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 04:07	1
Acetone	ND		10	3.0	ug/L			12/05/15 04:07	1
Benzene	**0.41**	**J**	1.0	0.41	ug/L			12/05/15 04:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 04:07	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 04:07	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 04:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 04:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 04:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 04:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 04:07	1
Chloroethane	**0.71**	**J**	1.0	0.32	ug/L			12/05/15 04:07	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 04:07	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 04:07	1
cis-1,2-Dichloroethene	**6.4**		1.0	0.81	ug/L			12/05/15 04:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 04:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 04:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 04:07	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 04:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 04:07	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 04:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 04:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 04:07	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 04:07	1
Vinyl chloride	**35**		1.0	0.90	ug/L			12/05/15 04:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/05/15 04:07*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/05/15 04:07*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/05/15 04:07*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/05/15 04:07*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AF-5D-113015

Lab Sample ID: 480-91840-8

Date Collected: 11/30/15 10:40
Date Received: 12/01/15 11:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 04:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 04:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 04:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/05/15 04:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 04:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 04:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 04:30	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 04:30	1
2-Butanone (MEK)	ND	* F1	10	1.3	ug/L			12/05/15 04:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 04:30	1
Acetone	ND		10	3.0	ug/L			12/05/15 04:30	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 04:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 04:30	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 04:30	1
Bromomethane	ND	F1	1.0	0.69	ug/L			12/05/15 04:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 04:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 04:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 04:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 04:30	1
Chloroethane	ND	F1	1.0	0.32	ug/L			12/05/15 04:30	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 04:30	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 04:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 04:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 04:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 04:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 04:30	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 04:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 04:30	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 04:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 04:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 04:30	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 04:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/05/15 04:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/05/15 04:30*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/05/15 04:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/05/15 04:30*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*		*12/05/15 04:30*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AF-2P-113015

Date Collected: 11/30/15 11:25
Date Received: 12/01/15 11:00

Lab Sample ID: 480-91840-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.2**		1.0	0.82	ug/L			12/05/15 04:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 04:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 04:54	1
1,1-Dichloroethane	**7.8**		1.0	0.38	ug/L			12/05/15 04:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 04:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 04:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 04:54	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 04:54	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 04:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 04:54	1
Acetone	ND		10	3.0	ug/L			12/05/15 04:54	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 04:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 04:54	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 04:54	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 04:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 04:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 04:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 04:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 04:54	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 04:54	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 04:54	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 04:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 04:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 04:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 04:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 04:54	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 04:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 04:54	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 04:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 04:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 04:54	1
Trichloroethene	**35**		1.0	0.46	ug/L			12/05/15 04:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/05/15 04:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/05/15 04:54*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/05/15 04:54*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/05/15 04:54*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/05/15 04:54*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AF-3P-113015

Lab Sample ID: 480-91840-10

Date Collected: 11/30/15 11:45
Date Received: 12/01/15 11:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**13**		2.0	1.6	ug/L			12/05/15 05:17	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/05/15 05:17	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/05/15 05:17	2
1,1-Dichloroethane	**1.1**	**J**	2.0	0.76	ug/L			12/05/15 05:17	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/05/15 05:17	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/05/15 05:17	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/05/15 05:17	2
2-Hexanone	ND		10	2.5	ug/L			12/05/15 05:17	2
2-Butanone (MEK)	ND	*	20	2.6	ug/L			12/05/15 05:17	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/05/15 05:17	2
Acetone	ND		20	6.0	ug/L			12/05/15 05:17	2
Benzene	ND		2.0	0.82	ug/L			12/05/15 05:17	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/05/15 05:17	2
Bromoform	ND		2.0	0.52	ug/L			12/05/15 05:17	2
Bromomethane	ND		2.0	1.4	ug/L			12/05/15 05:17	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/05/15 05:17	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/05/15 05:17	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/05/15 05:17	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/05/15 05:17	2
Chloroethane	ND		2.0	0.64	ug/L			12/05/15 05:17	2
Chloroform	ND		2.0	0.68	ug/L			12/05/15 05:17	2
Chloromethane	ND		2.0	0.70	ug/L			12/05/15 05:17	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			12/05/15 05:17	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/05/15 05:17	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/05/15 05:17	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/05/15 05:17	2
Styrene	ND		2.0	1.5	ug/L			12/05/15 05:17	2
Tetrachloroethene	**8.9**		2.0	0.72	ug/L			12/05/15 05:17	2
Toluene	ND		2.0	1.0	ug/L			12/05/15 05:17	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/05/15 05:17	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/05/15 05:17	2
Trichloroethene	**44**		2.0	0.92	ug/L			12/05/15 05:17	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/05/15 05:17	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/05/15 05:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*12/05/15 05:17*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*12/05/15 05:17*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*12/05/15 05:17*	*2*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/05/15 05:17*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: DUP-01-113015

Lab Sample ID: 480-91840-11

Date Collected: 11/30/15 12:00
Date Received: 12/01/15 11:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 05:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 05:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 05:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/05/15 05:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 05:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 05:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 05:41	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 05:41	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 05:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 05:41	1
Acetone	ND		10	3.0	ug/L			12/05/15 05:41	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 05:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 05:41	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 05:41	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 05:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 05:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 05:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 05:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 05:41	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 05:41	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 05:41	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 05:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 05:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 05:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 05:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 05:41	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 05:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 05:41	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 05:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 05:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 05:41	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 05:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/05/15 05:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*12/05/15 05:41*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/05/15 05:41*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/05/15 05:41*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*		*12/05/15 05:41*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AOC LDMW-1S-113015

Lab Sample ID: 480-91840-12

Date Collected: 11/30/15 12:15
Matrix: Water
Date Received: 12/01/15 11:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**170**		5.0	4.1	ug/L			12/05/15 06:04	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/05/15 06:04	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/05/15 06:04	5
1,1-Dichloroethane	**170**		5.0	1.9	ug/L			12/05/15 06:04	5
1,1-Dichloroethene	**9.3**		5.0	1.5	ug/L			12/05/15 06:04	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/05/15 06:04	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/05/15 06:04	5
2-Hexanone	ND		25	6.2	ug/L			12/05/15 06:04	5
2-Butanone (MEK)	ND	*	50	6.6	ug/L			12/05/15 06:04	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/05/15 06:04	5
Acetone	ND		50	15	ug/L			12/05/15 06:04	5
Benzene	ND		5.0	2.1	ug/L			12/05/15 06:04	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/05/15 06:04	5
Bromoform	ND		5.0	1.3	ug/L			12/05/15 06:04	5
Bromomethane	ND		5.0	3.5	ug/L			12/05/15 06:04	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/05/15 06:04	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/05/15 06:04	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/05/15 06:04	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/05/15 06:04	5
Chloroethane	ND		5.0	1.6	ug/L			12/05/15 06:04	5
Chloroform	**4.6**	**J**	5.0	1.7	ug/L			12/05/15 06:04	5
Chloromethane	ND		5.0	1.8	ug/L			12/05/15 06:04	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/05/15 06:04	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/05/15 06:04	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/05/15 06:04	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/05/15 06:04	5
Styrene	ND		5.0	3.7	ug/L			12/05/15 06:04	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/05/15 06:04	5
Toluene	ND		5.0	2.6	ug/L			12/05/15 06:04	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/05/15 06:04	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/05/15 06:04	5
Trichloroethene	**180**		5.0	2.3	ug/L			12/05/15 06:04	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/05/15 06:04	5
Xylenes, Total	ND		10	3.3	ug/L			12/05/15 06:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/05/15 06:04*	*5*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/05/15 06:04*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/05/15 06:04*	*5*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*12/05/15 06:04*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AOC PSTMW-1SR-113015

Lab Sample ID: 480-91840-13

Date Collected: 11/30/15 12:35
Date Received: 12/01/15 11:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/05/15 06:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/05/15 06:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/05/15 06:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/05/15 06:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/05/15 06:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/05/15 06:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/05/15 06:28	1
2-Hexanone	ND		5.0	1.2	ug/L			12/05/15 06:28	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/05/15 06:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/05/15 06:28	1
Acetone	ND		10	3.0	ug/L			12/05/15 06:28	1
Benzene	ND		1.0	0.41	ug/L			12/05/15 06:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/05/15 06:28	1
Bromoform	ND		1.0	0.26	ug/L			12/05/15 06:28	1
Bromomethane	ND		1.0	0.69	ug/L			12/05/15 06:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/05/15 06:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/05/15 06:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/05/15 06:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/05/15 06:28	1
Chloroethane	ND		1.0	0.32	ug/L			12/05/15 06:28	1
Chloroform	ND		1.0	0.34	ug/L			12/05/15 06:28	1
Chloromethane	ND		1.0	0.35	ug/L			12/05/15 06:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/05/15 06:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/05/15 06:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/05/15 06:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/05/15 06:28	1
Styrene	ND		1.0	0.73	ug/L			12/05/15 06:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/05/15 06:28	1
Toluene	ND		1.0	0.51	ug/L			12/05/15 06:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/05/15 06:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/05/15 06:28	1
Trichloroethene	ND		1.0	0.46	ug/L			12/05/15 06:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/05/15 06:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/05/15 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/05/15 06:28*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*12/05/15 06:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/05/15 06:28*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*12/05/15 06:28*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-91840-1	Trip Blank	98	95	97	93
480-91840-2	OSMW-4S-113015	98	97	97	93
480-91840-3	OSMW-4D-113015	104	95	96	92
480-91840-4	TMW-1S-113015	102	98	98	96
480-91840-5	TMW-1D-113015	103	95	98	93
480-91840-6	AF-5P-113015	98	95	97	96
480-91840-7	AF-5S-113015	96	94	97	92
480-91840-8	AF-5D-113015	99	94	99	90
480-91840-8 MS	AF-5D-113015 MS	100	101	106	102
480-91840-8 MSD	AF-5D-113015 MSD	98	100	105	102
480-91840-9	AF-2P-113015	98	95	97	91
480-91840-10	AF-3P-113015	100	92	97	92
480-91840-11	DUP-01-113015	100	94	93	95
480-91840-12	AOC LDMW-1S-113015	99	94	96	96
480-91840-13	AOC PSTMW-1SR-113015	99	96	100	93
LCS 480-278268/4	Lab Control Sample	90	95	98	89
LCS 480-279470/4	Lab Control Sample	98	99	104	102
LCSD 480-278268/5	Lab Control Sample Dup	93	95	98	93
LCSD 480-279470/5	Lab Control Sample Dup	97	97	104	103
MB 480-278268/7	Method Blank	98	94	98	92
MB 480-279470/7	Method Blank	98	98	104	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-278268/7
Matrix: Water
Analysis Batch: 278268

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/04/15 23:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/04/15 23:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/04/15 23:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/04/15 23:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/04/15 23:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/04/15 23:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/04/15 23:26	1
2-Hexanone	ND		5.0	1.2	ug/L			12/04/15 23:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/04/15 23:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/04/15 23:26	1
Acetone	ND		10	3.0	ug/L			12/04/15 23:26	1
Benzene	ND		1.0	0.41	ug/L			12/04/15 23:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/04/15 23:26	1
Bromoform	ND		1.0	0.26	ug/L			12/04/15 23:26	1
Bromomethane	ND		1.0	0.69	ug/L			12/04/15 23:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/04/15 23:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/04/15 23:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/04/15 23:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/04/15 23:26	1
Chloroethane	ND		1.0	0.32	ug/L			12/04/15 23:26	1
Chloroform	ND		1.0	0.34	ug/L			12/04/15 23:26	1
Chloromethane	ND		1.0	0.35	ug/L			12/04/15 23:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/04/15 23:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/04/15 23:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/04/15 23:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/04/15 23:26	1
Styrene	ND		1.0	0.73	ug/L			12/04/15 23:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/04/15 23:26	1
Toluene	ND		1.0	0.51	ug/L			12/04/15 23:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/04/15 23:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/04/15 23:26	1
Trichloroethene	ND		1.0	0.46	ug/L			12/04/15 23:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/04/15 23:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/04/15 23:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/04/15 23:26*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/04/15 23:26*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/04/15 23:26*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/04/15 23:26*	*1*

Lab Sample ID: LCS 480-278268/4
Matrix: Water
Analysis Batch: 278268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.8		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.8		ug/L		103	70 - 126

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

Lab Sample ID: LCS 480-278268/4
Matrix: Water
Analysis Batch: 278268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	26.6		ug/L		106	76 - 122
1,1-Dichloroethane	25.0	25.5		ug/L		102	71 - 129
1,1-Dichloroethene	25.0	24.1		ug/L		96	58 - 121
1,2-Dichloroethane	25.0	24.7		ug/L		99	75 - 127
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
2-Hexanone	125	138		ug/L		110	65 - 127
2-Butanone (MEK)	125	223	*	ug/L		178	57 - 140
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		100	71 - 125
Acetone	125	141		ug/L		113	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Bromoform	25.0	20.8		ug/L		83	52 - 132
Bromomethane	25.0	28.6		ug/L		114	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134
Chlorobenzene	25.0	25.6		ug/L		102	72 - 120
Dibromochloromethane	25.0	23.2		ug/L		93	75 - 125
Chloroethane	25.0	29.3		ug/L		117	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	21.0		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	22.8		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123
Methylene Chloride	25.0	25.7		ug/L		103	57 - 132
Styrene	25.0	25.1		ug/L		101	70 - 130
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	24.0		ug/L		96	72 - 123
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133
Xylenes, Total	50.0	50.5		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 137*
Toluene-d8 (Surr)	*95*		*71 - 126*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*60 - 140*

Lab Sample ID: LCSD 480-278268/5
Matrix: Water
Analysis Batch: 278268

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	26.4		ug/L		106	73 - 126	6	15
1,1,2,2-Tetrachloroethane	25.0	26.1		ug/L		104	70 - 126	1	15
1,1,2-Trichloroethane	25.0	26.6		ug/L		106	76 - 122	0	15
1,1-Dichloroethane	25.0	27.1		ug/L		108	71 - 129	6	20

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

Lab Sample ID: LCSD 480-278268/5
Matrix: Water
Analysis Batch: 278268

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	25.7		ug/L		103	58 - 121	6	16
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 127	5	20
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120	2	20
2-Hexanone	125	140		ug/L		112	65 - 127	1	15
2-Butanone (MEK)	125	233	*	ug/L		186	57 - 140	4	20
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125	2	35
Acetone	125	149		ug/L		119	56 - 142	5	15
Benzene	25.0	26.0		ug/L		104	71 - 124	3	13
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122	2	15
Bromoform	25.0	21.6		ug/L		87	52 - 132	4	15
Bromomethane	25.0	28.9		ug/L		116	55 - 144	1	15
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134	7	15
Carbon tetrachloride	25.0	25.6		ug/L		103	72 - 134	7	15
Chlorobenzene	25.0	26.8		ug/L		107	72 - 120	5	25
Dibromochloromethane	25.0	23.6		ug/L		94	75 - 125	2	15
Chloroethane	25.0	31.3		ug/L		125	69 - 136	6	15
Chloroform	25.0	25.9		ug/L		104	73 - 127	6	20
Chloromethane	25.0	21.7		ug/L		87	68 - 124	4	15
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124	5	15
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124	4	15
Ethylbenzene	25.0	27.4		ug/L		109	77 - 123	5	15
Methylene Chloride	25.0	26.8		ug/L		107	57 - 132	4	15
Styrene	25.0	26.4		ug/L		105	70 - 130	5	20
Tetrachloroethene	25.0	28.4		ug/L		114	74 - 122	6	20
Toluene	25.0	26.6		ug/L		107	80 - 122	3	15
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127	5	20
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	72 - 123	4	15
Trichloroethene	25.0	24.8		ug/L		99	74 - 123	5	16
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133	7	15
Xylenes, Total	50.0	51.9		ug/L		104	76 - 122	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*
Toluene-d8 (Surr)	*95*		*71 - 126*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*60 - 140*

Lab Sample ID: MB 480-279470/7
Matrix: Water
Analysis Batch: 279470

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/15 13:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/15 13:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/15 13:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/15 13:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/15 13:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/15 13:38	1

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

Lab Sample ID: MB 480-279470/7
Matrix: Water
Analysis Batch: 279470

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/15 13:38	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/15 13:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/15 13:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/15 13:38	1
Acetone	ND		10	3.0	ug/L			12/12/15 13:38	1
Benzene	ND		1.0	0.41	ug/L			12/12/15 13:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/15 13:38	1
Bromoform	ND		1.0	0.26	ug/L			12/12/15 13:38	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/15 13:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/15 13:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/15 13:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/15 13:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/15 13:38	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/15 13:38	1
Chloroform	ND		1.0	0.34	ug/L			12/12/15 13:38	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/15 13:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/15 13:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/15 13:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/15 13:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/15 13:38	1
Styrene	ND		1.0	0.73	ug/L			12/12/15 13:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/15 13:38	1
Toluene	ND		1.0	0.51	ug/L			12/12/15 13:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/15 13:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/15 13:38	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/15 13:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/15 13:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/15 13:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/12/15 13:38*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/12/15 13:38*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/12/15 13:38*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*12/12/15 13:38*	*1*

Lab Sample ID: LCS 480-279470/4
Matrix: Water
Analysis Batch: 279470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	70 - 126
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	23.5		ug/L		94	71 - 129
1,1-Dichloroethene	25.0	21.6		ug/L		86	58 - 121
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 127
1,2-Dichloropropane	25.0	23.5		ug/L		94	76 - 120
2-Hexanone	125	115		ug/L		92	65 - 127

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

Lab Sample ID: LCS 480-279470/4
Matrix: Water
Analysis Batch: 279470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	125	214	*	ug/L		171	57 - 140
4-Methyl-2-pentanone (MIBK)	125	108		ug/L		86	71 - 125
Acetone	125	116		ug/L		93	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	23.1		ug/L		92	80 - 122
Bromoform	25.0	22.4		ug/L		89	52 - 132
Bromomethane	25.0	30.2		ug/L		121	55 - 144
Carbon disulfide	25.0	21.0		ug/L		84	59 - 134
Carbon tetrachloride	25.0	24.1		ug/L		97	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	72 - 120
Dibromochloromethane	25.0	23.9		ug/L		96	75 - 125
Chloroethane	25.0	31.3		ug/L		125	69 - 136
Chloroform	25.0	23.2		ug/L		93	73 - 127
Chloromethane	25.0	24.2		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.1		ug/L		97	74 - 124
Ethylbenzene	25.0	23.4		ug/L		94	77 - 123
Methylene Chloride	25.0	23.4		ug/L		93	57 - 132
Styrene	25.0	23.7		ug/L		95	70 - 130
Tetrachloroethene	25.0	26.3		ug/L		105	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.1		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	72 - 123
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133
Xylenes, Total	50.0	47.9		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Lab Sample ID: LCSD 480-279470/5
Matrix: Water
Analysis Batch: 279470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	23.5		ug/L		94	73 - 126	2	15
1,1,2,2-Tetrachloroethane	25.0	22.5		ug/L		90	70 - 126	2	15
1,1,2-Trichloroethane	25.0	22.5		ug/L		90	76 - 122	1	15
1,1-Dichloroethane	25.0	22.8		ug/L		91	71 - 129	3	20
1,1-Dichloroethene	25.0	21.4		ug/L		86	58 - 121	1	16
1,2-Dichloroethane	25.0	21.8		ug/L		87	75 - 127	1	20
1,2-Dichloropropane	25.0	22.5		ug/L		90	76 - 120	4	20
2-Hexanone	125	114		ug/L		91	65 - 127	2	15
2-Butanone (MEK)	125	208	*	ug/L		167	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	125	106		ug/L		85	71 - 125	1	35

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

Lab Sample ID: LCSD 480-279470/5
Matrix: Water
Analysis Batch: 279470

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	125	114		ug/L		91	56 - 142	2	15
Benzene	25.0	22.6		ug/L		90	71 - 124	4	13
Bromodichloromethane	25.0	23.4		ug/L		93	80 - 122	1	15
Bromoform	25.0	22.3		ug/L		89	52 - 132	0	15
Bromomethane	25.0	30.4		ug/L		122	55 - 144	1	15
Carbon disulfide	25.0	20.5		ug/L		82	59 - 134	2	15
Carbon tetrachloride	25.0	23.6		ug/L		94	72 - 134	2	15
Chlorobenzene	25.0	23.2		ug/L		93	72 - 120	4	25
Dibromochloromethane	25.0	23.8		ug/L		95	75 - 125	0	15
Chloroethane	25.0	31.2		ug/L		125	69 - 136	0	15
Chloroform	25.0	22.2		ug/L		89	73 - 127	5	20
Chloromethane	25.0	24.1		ug/L		96	68 - 124	0	15
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124	1	15
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	74 - 124	3	15
Ethylbenzene	25.0	22.6		ug/L		90	77 - 123	4	15
Methylene Chloride	25.0	23.3		ug/L		93	57 - 132	0	15
Styrene	25.0	23.1		ug/L		92	70 - 130	3	20
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122	5	20
Toluene	25.0	22.4		ug/L		89	80 - 122	3	15
trans-1,2-Dichloroethene	25.0	22.5		ug/L		90	73 - 127	3	20
trans-1,3-Dichloropropene	25.0	23.0		ug/L		92	72 - 123	2	15
Trichloroethene	25.0	24.0		ug/L		96	74 - 123	2	16
Vinyl chloride	25.0	25.6		ug/L		103	65 - 133	2	15
Xylenes, Total	50.0	46.1		ug/L		92	76 - 122	4	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*60 - 140*

Lab Sample ID: 480-91840-8 MS
Matrix: Water
Analysis Batch: 279470

Client Sample ID: AF-5D-113015 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND		25.0	23.6		ug/L		94	73 - 126		
1,1,2,2-Tetrachloroethane	ND		25.0	24.1		ug/L		96	70 - 126		
1,1,2-Trichloroethane	ND		25.0	23.9		ug/L		95	76 - 122		
1,1-Dichloroethane	ND		25.0	23.6		ug/L		94	71 - 129		
1,1-Dichloroethene	ND		25.0	21.5		ug/L		86	58 - 121		
1,2-Dichloroethane	ND		25.0	22.8		ug/L		91	75 - 127		
1,2-Dichloropropane	ND		25.0	24.0		ug/L		96	76 - 120		
2-Hexanone	ND		125	115		ug/L		92	65 - 127		
2-Butanone (MEK)	ND	* F1	125	219	F1	ug/L		176	57 - 140		
4-Methyl-2-pentanone (MIBK)	ND		125	110		ug/L		88	71 - 125		
Acetone	ND		125	118		ug/L		95	56 - 142		
Benzene	ND		25.0	23.8		ug/L		95	71 - 124		

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

Lab Sample ID: 480-91840-8 MS
Matrix: Water
Analysis Batch: 279470

Client Sample ID: AF-5D-113015 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	ND		25.0	24.2		ug/L		97	80 - 122
Bromoform	ND		25.0	22.0		ug/L		88	52 - 132
Bromomethane	ND	F1	25.0	39.0	F1	ug/L		156	55 - 144
Carbon disulfide	ND		25.0	19.4		ug/L		77	59 - 134
Carbon tetrachloride	ND		25.0	23.0		ug/L		92	72 - 134
Chlorobenzene	ND		25.0	24.5		ug/L		98	72 - 120
Dibromochloromethane	ND		25.0	24.1		ug/L		96	75 - 125
Chloroethane	ND	F1	25.0	40.2	F1	ug/L		161	69 - 136
Chloroform	ND		25.0	23.6		ug/L		95	73 - 127
Chloromethane	ND		25.0	28.9		ug/L		116	68 - 124
cis-1,2-Dichloroethene	ND		25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.0		ug/L		96	74 - 124
Ethylbenzene	ND		25.0	24.0		ug/L		96	77 - 123
Methylene Chloride	ND		25.0	24.4		ug/L		98	57 - 132
Styrene	ND		25.0	24.7		ug/L		99	70 - 130
Tetrachloroethene	ND		25.0	25.2		ug/L		101	74 - 122
Toluene	ND		25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	ND		25.0	23.5		ug/L		94	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.2		ug/L		93	72 - 123
Trichloroethene	ND		25.0	24.6		ug/L		98	74 - 123
Vinyl chloride	ND		25.0	31.6		ug/L		126	65 - 133
Xylenes, Total	ND		50.0	49.6		ug/L		99	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Lab Sample ID: 480-91840-8 MSD
Matrix: Water
Analysis Batch: 279470

Client Sample ID: AF-5D-113015 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	23.1		ug/L		92	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	23.7		ug/L		95	70 - 126	1	15
1,1,2-Trichloroethane	ND		25.0	23.8		ug/L		95	76 - 122	0	15
1,1-Dichloroethane	ND		25.0	23.0		ug/L		92	71 - 129	2	20
1,1-Dichloroethene	ND		25.0	20.6		ug/L		82	58 - 121	4	16
1,2-Dichloroethane	ND		25.0	22.5		ug/L		90	75 - 127	1	20
1,2-Dichloropropane	ND		25.0	23.7		ug/L		95	76 - 120	1	20
2-Hexanone	ND		125	116		ug/L		93	65 - 127	1	15
2-Butanone (MEK)	ND	* F1	125	221	F1	ug/L		177	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	111		ug/L		89	71 - 125	0	35
Acetone	ND		125	122		ug/L		97	56 - 142	3	15
Benzene	ND		25.0	23.6		ug/L		94	71 - 124	1	13
Bromodichloromethane	ND		25.0	23.7		ug/L		95	80 - 122	2	15
Bromoform	ND		25.0	22.0		ug/L		88	52 - 132	0	15

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

Lab Sample ID: 480-91840-8 MSD
Matrix: Water
Analysis Batch: 279470

Client Sample ID: AF-5D-113015 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND	F1	25.0	38.0	F1	ug/L		152	55 - 144	3	15
Carbon disulfide	ND		25.0	18.9		ug/L		75	59 - 134	3	15
Carbon tetrachloride	ND		25.0	22.3		ug/L		89	72 - 134	3	15
Chlorobenzene	ND		25.0	24.6		ug/L		98	72 - 120	0	25
Dibromochloromethane	ND		25.0	24.4		ug/L		98	75 - 125	1	15
Chloroethane	ND	F1	25.0	39.4	F1	ug/L		158	69 - 136	2	15
Chloroform	ND		25.0	23.5		ug/L		94	73 - 127	0	20
Chloromethane	ND		25.0	28.9		ug/L		116	68 - 124	0	15
cis-1,2-Dichloroethene	ND		25.0	23.6		ug/L		94	74 - 124	3	15
cis-1,3-Dichloropropene	ND		25.0	23.5		ug/L		94	74 - 124	2	15
Ethylbenzene	ND		25.0	24.0		ug/L		96	77 - 123	0	15
Methylene Chloride	ND		25.0	24.0		ug/L		96	57 - 132	2	15
Styrene	ND		25.0	24.5		ug/L		98	70 - 130	1	20
Tetrachloroethene	ND		25.0	24.8		ug/L		99	74 - 122	2	20
Toluene	ND		25.0	23.6		ug/L		94	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	22.9		ug/L		91	73 - 127	3	20
trans-1,3-Dichloropropene	ND		25.0	22.9		ug/L		91	72 - 123	1	15
Trichloroethene	ND		25.0	24.0		ug/L		96	74 - 123	3	16
Vinyl chloride	ND		25.0	31.0		ug/L		124	65 - 133	2	15
Xylenes, Total	ND		50.0	49.2		ug/L		98	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

GC/MS VOA

Analysis Batch: 278268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91840-1	Trip Blank	Total/NA	Water	8260C	
480-91840-2	OSMW-4S-113015	Total/NA	Water	8260C	
480-91840-3	OSMW-4D-113015	Total/NA	Water	8260C	
480-91840-4	TMW-1S-113015	Total/NA	Water	8260C	
480-91840-5	TMW-1D-113015	Total/NA	Water	8260C	
480-91840-6	AF-5P-113015	Total/NA	Water	8260C	
480-91840-7	AF-5S-113015	Total/NA	Water	8260C	
480-91840-8	AF-5D-113015	Total/NA	Water	8260C	
480-91840-9	AF-2P-113015	Total/NA	Water	8260C	
480-91840-10	AF-3P-113015	Total/NA	Water	8260C	
480-91840-11	DUP-01-113015	Total/NA	Water	8260C	
480-91840-12	AOC LDMW-1S-113015	Total/NA	Water	8260C	
480-91840-13	AOC PSTMW-1SR-113015	Total/NA	Water	8260C	
LCS 480-278268/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-278268/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-278268/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 279470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91840-8 MS	AF-5D-113015 MS	Total/NA	Water	8260C	
480-91840-8 MSD	AF-5D-113015 MSD	Total/NA	Water	8260C	
LCS 480-279470/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-279470/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-279470/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-91840-1

Date Collected: 11/30/15 00:00 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 01:44	GTG	TAL BUF

Client Sample ID: OSMW-4S-113015 — Lab Sample ID: 480-91840-2

Date Collected: 11/30/15 09:06 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 02:08	GTG	TAL BUF

Client Sample ID: OSMW-4D-113015 — Lab Sample ID: 480-91840-3

Date Collected: 11/30/15 09:11 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 02:32	GTG	TAL BUF

Client Sample ID: TMW-1S-113015 — Lab Sample ID: 480-91840-4

Date Collected: 11/30/15 09:41 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 02:56	GTG	TAL BUF

Client Sample ID: TMW-1D-113015 — Lab Sample ID: 480-91840-5

Date Collected: 11/30/15 09:47 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 03:20	GTG	TAL BUF

Client Sample ID: AF-5P-113015 — Lab Sample ID: 480-91840-6

Date Collected: 11/30/15 10:27 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	278268	12/05/15 03:43	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AF-5S-113015 — Lab Sample ID: 480-91840-7

Date Collected: 11/30/15 10:34 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 04:07	GTG	TAL BUF

Client Sample ID: AF-5D-113015 — Lab Sample ID: 480-91840-8

Date Collected: 11/30/15 10:40 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 04:30	GTG	TAL BUF

Client Sample ID: AF-2P-113015 — Lab Sample ID: 480-91840-9

Date Collected: 11/30/15 11:25 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 04:54	GTG	TAL BUF

Client Sample ID: AF-3P-113015 — Lab Sample ID: 480-91840-10

Date Collected: 11/30/15 11:45 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	278268	12/05/15 05:17	GTG	TAL BUF

Client Sample ID: DUP-01-113015 — Lab Sample ID: 480-91840-11

Date Collected: 11/30/15 12:00 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 05:41	GTG	TAL BUF

Client Sample ID: AOC LDMW-1S-113015 — Lab Sample ID: 480-91840-12

Date Collected: 11/30/15 12:15 — **Matrix: Water**
Date Received: 12/01/15 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	278268	12/05/15 06:04	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Client Sample ID: AOC PSTMW-1SR-113015

Lab Sample ID: 480-91840-13

Date Collected: 11/30/15 12:35
Date Received: 12/01/15 11:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278268	12/05/15 06:28	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-91840-1
SDG: 480-91840-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91840-1	Trip Blank	Water	11/30/15 00:00	12/01/15 11:00
480-91840-2	OSMW-4S-113015	Water	11/30/15 09:06	12/01/15 11:00
480-91840-3	OSMW-4D-113015	Water	11/30/15 09:11	12/01/15 11:00
480-91840-4	TMW-1S-113015	Water	11/30/15 09:41	12/01/15 11:00
480-91840-5	TMW-1D-113015	Water	11/30/15 09:47	12/01/15 11:00
480-91840-6	AF-5P-113015	Water	11/30/15 10:27	12/01/15 11:00
480-91840-7	AF-5S-113015	Water	11/30/15 10:34	12/01/15 11:00
480-91840-8	AF-5D-113015	Water	11/30/15 10:40	12/01/15 11:00
480-91840-9	AF-2P-113015	Water	11/30/15 11:25	12/01/15 11:00
480-91840-10	AF-3P-113015	Water	11/30/15 11:45	12/01/15 11:00
480-91840-11	DUP-01-113015	Water	11/30/15 12:00	12/01/15 11:00
480-91840-12	AOC LDMW-1S-113015	Water	11/30/15 12:15	12/01/15 11:00
480-91840-13	AOC PSTMW-1SR-113015	Water	11/30/15 12:35	12/01/15 11:00

page 1 of 2

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Cincinnati 210501

Client: O'Brien & Gere	Project Manager: Rick Boone	Date: 11/30/2015	Chain
Address: 8805 Governor's Hill Dr. Ste. 164	Telephone Number (Area Code)/Fax Number: 513-697-2020	Lab Number	Page
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Terra Dalton; Lab Contact: John Schove		
Project Name and Location (State): GE Aviation, Evendale, OH	Carrier/Waybill Number: ~~0137~~ 8086-1925-6750		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): 8260b

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260b	
TRIP BLANK	11/30/15	/		/						1			X	
OSMW-4S-113015	↓	906		X						3				
OSMW-4D-113015	↓	911		↓						3				
TMW-1S-113015	↓	941		↓						3				
TMW-1D-113015	↓	947		↓						3				
AF-5P-113015	↓	1027		↓						3				
AF-5S-113015	↓	1034		↓						3				
AF-5D-113015 *MS/MSD*	↓	1040		↓						9				*extra volume - MS/MSD*
AF-2P-113015	↓	1125		↓						3				
AF-3P-113015	↓	1145		↓						3				
DUP-01-113015	↓	1200		↓						3				
AOC LDMW-1S-113015	↓	1215		↓						3				

480-91840 Chain of Custody

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

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

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

QC Requirements (Specify): Level III Data Pkg, send results & QC to Karen Storne

	Date	Time		Date	Time
1. Relinquished By: Terra Dalton, OBG	11/30/15	1630	1. Received By: FedEx (see above for #)	11/30/15	1630
2. Relinquished By			2. Received By: [signature]	12/1/15	1100
3. Relinquished By			3. Received By		

Comments: #1 4.0°c

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

12/15/2015

Chain of Custody Record

page 2 of 2

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Cincinnati 210501

Client: O'Brien & Gere	Project Manager: Rick Boone	Date: 11/30/2015	Chain
Address: 8805 Governor's Hill Dr. Suite 164	Telephone Number (Area Code)/Fax Number: 513-697-2020	Lab Number	Page
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Tera Dalton	Lab Contact: John Schore	
Project Name and Location (State): GE Aviation Evendale, OH	Carrier/Waybill Number: 8086-1925-6750		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): 8260b											
AOC PSTMW-1SR-113015	11/30/15	12:35		X							3				X											

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

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

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

QC Requirements (Specify): Level III Data Pkg, send results & QC to Karen Stone

1. Relinquished By: Tera Dalton, OBG	Date: 11/30/15	Time: 1630	1. Received By: FedEx (#above)	Date: 11/30/15	Time: 1630
2. Relinquished By	Date	Time	2. Received By: [signature]	Date: 12/1/15	Time: 1100
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: #1 4.0°C

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91840-1
SDG Number: 480-91840-1

Login Number: 91840
List Number: 1
Creator: Hulbert, Michael J

List Source: TestAmerica Buffalo

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	
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	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-91944-1
Client Project/Site: GE - Evendale, OH site

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
12/14/2015 12:03:19 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-91944-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91944-1

Comments
No additional comments.

Receipt
The samples were received on 12/2/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-3D 120115 (480-91944-3), EW-5P 120115 (480-91944-4), EW-4P 120115 (480-91944-5), EW-2P 120115 (480-91944-6), EW-6P 120115 (480-91944-7) and ADP-100 120115 (480-91944-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 480-278987. The following samples are impacted: EW-7S 120115 (480-91944-1), EW-8D 120115 (480-91944-2), EW-3D 120115 (480-91944-3), EW-5P 120115 (480-91944-4), EW-4P 120115 (480-91944-5), EW-2P 120115 (480-91944-6), EW-6P 120115 (480-91944-7), ADP-100 120115 (480-91944-8), AF-11D-120115 (480-91944-9), AF-11S-120115 (480-91944-10), OSMW-4D-120115 (480-91944-11), OSMW-4S-120115 (480-91944-12), EW-8D-120115 (480-91944-14) and Trip Blank (480-91944-15).

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-279057 . The following sample is impacted: EW-7S-120115 (480-91944-13)

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-3D 120115 (480-91944-3[MS]) and EW-3D 120115 (480-91944-3[MSD]). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-7S 120115 — Lab Sample ID: 480-91944-1

No Detections.

Client Sample ID: EW-8D 120115 — Lab Sample ID: 480-91944-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260C	Total/NA
Chloroethane	0.37	J	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.0		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.9		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	6.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3D 120115 — Lab Sample ID: 480-91944-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	23		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	180		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW-5P 120115 — Lab Sample ID: 480-91944-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	67		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	19		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	5.2		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	22		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	140		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW-4P 120115 — Lab Sample ID: 480-91944-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	74		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	22		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	5.9		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	23		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	160		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW-2P 120115 — Lab Sample ID: 480-91944-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	76		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	8.4		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	2.7	J	5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	1.9	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	13		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	180		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW-6P 120115 — Lab Sample ID: 480-91944-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	28		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.2		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.71	J	2.0	0.58	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-6P 120115 (Continued) — Lab Sample ID: 480-91944-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.91	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	97		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.5		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 120115 — Lab Sample ID: 480-91944-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	26		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	4.9		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.96	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.92	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	91		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.2		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: AF-11D-120115 — Lab Sample ID: 480-91944-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	0.76	J	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.95	J	1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11S-120115 — Lab Sample ID: 480-91944-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.93	J	1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	2.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-4D-120115 — Lab Sample ID: 480-91944-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.30	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	8.2		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	17		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-4S-120115 — Lab Sample ID: 480-91944-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.53	J	1.0	0.38	ug/L	1		8260C	Total/NA
Vinyl chloride	22		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-7S-120115 — Lab Sample ID: 480-91944-13

No Detections.

Client Sample ID: EW-8D-120115 — Lab Sample ID: 480-91944-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-8D-120115 (Continued) — Lab Sample ID: 480-91944-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.8		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.9		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	6.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-91944-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-7S 120115

Date Collected: 12/01/15 08:10
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 03:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 03:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 03:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 03:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 03:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 03:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 03:25	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 03:25	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 03:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 03:25	1
Acetone	ND		10	3.0	ug/L			12/10/15 03:25	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 03:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 03:25	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 03:25	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 03:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 03:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 03:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 03:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 03:25	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 03:25	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 03:25	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 03:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 03:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 03:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 03:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 03:25	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 03:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 03:25	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 03:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 03:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 03:25	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 03:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 03:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/10/15 03:25*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/10/15 03:25*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/10/15 03:25*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*12/10/15 03:25*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-8D 120115

Date Collected: 12/01/15 08:15
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 03:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 03:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 03:48	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			12/10/15 03:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 03:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 03:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 03:48	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 03:48	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 03:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 03:48	1
Acetone	ND		10	3.0	ug/L			12/10/15 03:48	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 03:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 03:48	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 03:48	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 03:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 03:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 03:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 03:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 03:48	1
Chloroethane	**0.37**	**J**	1.0	0.32	ug/L			12/10/15 03:48	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 03:48	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 03:48	1
cis-1,2-Dichloroethene	**5.0**		1.0	0.81	ug/L			12/10/15 03:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 03:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 03:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 03:48	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 03:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 03:48	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 03:48	1
trans-1,2-Dichloroethene	**1.9**		1.0	0.90	ug/L			12/10/15 03:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 03:48	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 03:48	1
Vinyl chloride	**6.3**		1.0	0.90	ug/L			12/10/15 03:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/10/15 03:48*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/10/15 03:48*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/10/15 03:48*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/10/15 03:48*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-3D 120115

Date Collected: 12/01/15 08:50
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/10/15 04:12	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/10/15 04:12	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/10/15 04:12	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/10/15 04:12	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/10/15 04:12	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/10/15 04:12	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/10/15 04:12	4
2-Hexanone	ND		20	5.0	ug/L			12/10/15 04:12	4
2-Butanone (MEK)	ND	*	40	5.3	ug/L			12/10/15 04:12	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/10/15 04:12	4
Acetone	ND		40	12	ug/L			12/10/15 04:12	4
Benzene	ND		4.0	1.6	ug/L			12/10/15 04:12	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/10/15 04:12	4
Bromoform	ND		4.0	1.0	ug/L			12/10/15 04:12	4
Bromomethane	ND		4.0	2.8	ug/L			12/10/15 04:12	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/10/15 04:12	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/10/15 04:12	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/10/15 04:12	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/10/15 04:12	4
Chloroethane	ND		4.0	1.3	ug/L			12/10/15 04:12	4
Chloroform	ND		4.0	1.4	ug/L			12/10/15 04:12	4
Chloromethane	ND		4.0	1.4	ug/L			12/10/15 04:12	4
cis-1,2-Dichloroethene	**140**		4.0	3.2	ug/L			12/10/15 04:12	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/10/15 04:12	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/10/15 04:12	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/10/15 04:12	4
Styrene	ND		4.0	2.9	ug/L			12/10/15 04:12	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/10/15 04:12	4
Toluene	ND		4.0	2.0	ug/L			12/10/15 04:12	4
trans-1,2-Dichloroethene	**23**		4.0	3.6	ug/L			12/10/15 04:12	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/10/15 04:12	4
Trichloroethene	**180**		4.0	1.8	ug/L			12/10/15 04:12	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/10/15 04:12	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/10/15 04:12	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*12/10/15 04:12*	*4*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/10/15 04:12*	*4*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/10/15 04:12*	*4*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*12/10/15 04:12*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-5P 120115

Date Collected: 12/01/15 09:10
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**67**		5.0	4.1	ug/L			12/10/15 04:36	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/10/15 04:36	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/10/15 04:36	5
1,1-Dichloroethane	**19**		5.0	1.9	ug/L			12/10/15 04:36	5
1,1-Dichloroethene	**5.2**		5.0	1.5	ug/L			12/10/15 04:36	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/10/15 04:36	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/10/15 04:36	5
2-Hexanone	ND		25	6.2	ug/L			12/10/15 04:36	5
2-Butanone (MEK)	ND	*	50	6.6	ug/L			12/10/15 04:36	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/10/15 04:36	5
Acetone	ND		50	15	ug/L			12/10/15 04:36	5
Benzene	ND		5.0	2.1	ug/L			12/10/15 04:36	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/10/15 04:36	5
Bromoform	ND		5.0	1.3	ug/L			12/10/15 04:36	5
Bromomethane	ND		5.0	3.5	ug/L			12/10/15 04:36	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/10/15 04:36	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/10/15 04:36	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/10/15 04:36	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/10/15 04:36	5
Chloroethane	ND		5.0	1.6	ug/L			12/10/15 04:36	5
Chloroform	ND		5.0	1.7	ug/L			12/10/15 04:36	5
Chloromethane	ND		5.0	1.8	ug/L			12/10/15 04:36	5
cis-1,2-Dichloroethene	**22**		5.0	4.1	ug/L			12/10/15 04:36	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/10/15 04:36	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/10/15 04:36	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/10/15 04:36	5
Styrene	ND		5.0	3.7	ug/L			12/10/15 04:36	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/10/15 04:36	5
Toluene	ND		5.0	2.6	ug/L			12/10/15 04:36	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/10/15 04:36	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/10/15 04:36	5
Trichloroethene	**140**		5.0	2.3	ug/L			12/10/15 04:36	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/10/15 04:36	5
Xylenes, Total	ND		10	3.3	ug/L			12/10/15 04:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/10/15 04:36*	*5*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/10/15 04:36*	*5*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/10/15 04:36*	*5*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*12/10/15 04:36*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-4P 120115

Date Collected: 12/01/15 09:16
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**74**		4.0	3.3	ug/L			12/10/15 04:59	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/10/15 04:59	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/10/15 04:59	4
1,1-Dichloroethane	**22**		4.0	1.5	ug/L			12/10/15 04:59	4
1,1-Dichloroethene	**5.9**		4.0	1.2	ug/L			12/10/15 04:59	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/10/15 04:59	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/10/15 04:59	4
2-Hexanone	ND		20	5.0	ug/L			12/10/15 04:59	4
2-Butanone (MEK)	ND	*	40	5.3	ug/L			12/10/15 04:59	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/10/15 04:59	4
Acetone	ND		40	12	ug/L			12/10/15 04:59	4
Benzene	ND		4.0	1.6	ug/L			12/10/15 04:59	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/10/15 04:59	4
Bromoform	ND		4.0	1.0	ug/L			12/10/15 04:59	4
Bromomethane	ND		4.0	2.8	ug/L			12/10/15 04:59	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/10/15 04:59	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/10/15 04:59	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/10/15 04:59	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/10/15 04:59	4
Chloroethane	ND		4.0	1.3	ug/L			12/10/15 04:59	4
Chloroform	ND		4.0	1.4	ug/L			12/10/15 04:59	4
Chloromethane	ND		4.0	1.4	ug/L			12/10/15 04:59	4
cis-1,2-Dichloroethene	**23**		4.0	3.2	ug/L			12/10/15 04:59	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/10/15 04:59	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/10/15 04:59	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/10/15 04:59	4
Styrene	ND		4.0	2.9	ug/L			12/10/15 04:59	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/10/15 04:59	4
Toluene	ND		4.0	2.0	ug/L			12/10/15 04:59	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/10/15 04:59	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/10/15 04:59	4
Trichloroethene	**160**		4.0	1.8	ug/L			12/10/15 04:59	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/10/15 04:59	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/10/15 04:59	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/10/15 04:59*	*4*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/10/15 04:59*	*4*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/10/15 04:59*	*4*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/10/15 04:59*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-2P 120115

Date Collected: 12/01/15 09:30
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**76**		5.0	4.1	ug/L			12/10/15 05:23	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/10/15 05:23	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/10/15 05:23	5
1,1-Dichloroethane	**8.4**		5.0	1.9	ug/L			12/10/15 05:23	5
1,1-Dichloroethene	**2.7**	**J**	5.0	1.5	ug/L			12/10/15 05:23	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/10/15 05:23	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/10/15 05:23	5
2-Hexanone	ND		25	6.2	ug/L			12/10/15 05:23	5
2-Butanone (MEK)	ND	*	50	6.6	ug/L			12/10/15 05:23	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/10/15 05:23	5
Acetone	ND		50	15	ug/L			12/10/15 05:23	5
Benzene	ND		5.0	2.1	ug/L			12/10/15 05:23	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/10/15 05:23	5
Bromoform	ND		5.0	1.3	ug/L			12/10/15 05:23	5
Bromomethane	ND		5.0	3.5	ug/L			12/10/15 05:23	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/10/15 05:23	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/10/15 05:23	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/10/15 05:23	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/10/15 05:23	5
Chloroethane	ND		5.0	1.6	ug/L			12/10/15 05:23	5
Chloroform	**1.9**	**J**	5.0	1.7	ug/L			12/10/15 05:23	5
Chloromethane	ND		5.0	1.8	ug/L			12/10/15 05:23	5
cis-1,2-Dichloroethene	**13**		5.0	4.1	ug/L			12/10/15 05:23	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/10/15 05:23	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/10/15 05:23	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/10/15 05:23	5
Styrene	ND		5.0	3.7	ug/L			12/10/15 05:23	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/10/15 05:23	5
Toluene	ND		5.0	2.6	ug/L			12/10/15 05:23	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/10/15 05:23	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/10/15 05:23	5
Trichloroethene	**180**		5.0	2.3	ug/L			12/10/15 05:23	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/10/15 05:23	5
Xylenes, Total	ND		10	3.3	ug/L			12/10/15 05:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/10/15 05:23*	*5*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/10/15 05:23*	*5*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/10/15 05:23*	*5*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*12/10/15 05:23*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-6P 120115

Date Collected: 12/01/15 09:45
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**28**		2.0	1.6	ug/L			12/10/15 05:47	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/10/15 05:47	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/10/15 05:47	2
1,1-Dichloroethane	**5.2**		2.0	0.76	ug/L			12/10/15 05:47	2
1,1-Dichloroethene	**0.71**	**J**	2.0	0.58	ug/L			12/10/15 05:47	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/10/15 05:47	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/10/15 05:47	2
2-Hexanone	ND		10	2.5	ug/L			12/10/15 05:47	2
2-Butanone (MEK)	ND	*	20	2.6	ug/L			12/10/15 05:47	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/10/15 05:47	2
Acetone	ND		20	6.0	ug/L			12/10/15 05:47	2
Benzene	ND		2.0	0.82	ug/L			12/10/15 05:47	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/10/15 05:47	2
Bromoform	ND		2.0	0.52	ug/L			12/10/15 05:47	2
Bromomethane	ND		2.0	1.4	ug/L			12/10/15 05:47	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/10/15 05:47	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/10/15 05:47	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/10/15 05:47	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/10/15 05:47	2
Chloroethane	ND		2.0	0.64	ug/L			12/10/15 05:47	2
Chloroform	ND		2.0	0.68	ug/L			12/10/15 05:47	2
Chloromethane	ND		2.0	0.70	ug/L			12/10/15 05:47	2
cis-1,2-Dichloroethene	**10**		2.0	1.6	ug/L			12/10/15 05:47	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/10/15 05:47	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/10/15 05:47	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/10/15 05:47	2
Styrene	ND		2.0	1.5	ug/L			12/10/15 05:47	2
Tetrachloroethene	**0.91**	**J**	2.0	0.72	ug/L			12/10/15 05:47	2
Toluene	ND		2.0	1.0	ug/L			12/10/15 05:47	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/10/15 05:47	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/10/15 05:47	2
Trichloroethene	**97**		2.0	0.92	ug/L			12/10/15 05:47	2
Vinyl chloride	**2.5**		2.0	1.8	ug/L			12/10/15 05:47	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/10/15 05:47	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/10/15 05:47*	*2*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/10/15 05:47*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/10/15 05:47*	*2*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/10/15 05:47*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: ADP-100 120115

Date Collected: 12/01/15 09:46
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-8

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**26**		2.0	1.6	ug/L			12/10/15 06:11	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/10/15 06:11	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/10/15 06:11	2
1,1-Dichloroethane	**4.9**		2.0	0.76	ug/L			12/10/15 06:11	2
1,1-Dichloroethene	**0.96**	**J**	2.0	0.58	ug/L			12/10/15 06:11	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/10/15 06:11	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/10/15 06:11	2
2-Hexanone	ND		10	2.5	ug/L			12/10/15 06:11	2
2-Butanone (MEK)	ND	*	20	2.6	ug/L			12/10/15 06:11	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/10/15 06:11	2
Acetone	ND		20	6.0	ug/L			12/10/15 06:11	2
Benzene	ND		2.0	0.82	ug/L			12/10/15 06:11	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/10/15 06:11	2
Bromoform	ND		2.0	0.52	ug/L			12/10/15 06:11	2
Bromomethane	ND		2.0	1.4	ug/L			12/10/15 06:11	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/10/15 06:11	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/10/15 06:11	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/10/15 06:11	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/10/15 06:11	2
Chloroethane	ND		2.0	0.64	ug/L			12/10/15 06:11	2
Chloroform	ND		2.0	0.68	ug/L			12/10/15 06:11	2
Chloromethane	ND		2.0	0.70	ug/L			12/10/15 06:11	2
cis-1,2-Dichloroethene	**10**		2.0	1.6	ug/L			12/10/15 06:11	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/10/15 06:11	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/10/15 06:11	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/10/15 06:11	2
Styrene	ND		2.0	1.5	ug/L			12/10/15 06:11	2
Tetrachloroethene	**0.92**	**J**	2.0	0.72	ug/L			12/10/15 06:11	2
Toluene	ND		2.0	1.0	ug/L			12/10/15 06:11	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/10/15 06:11	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/10/15 06:11	2
Trichloroethene	**91**		2.0	0.92	ug/L			12/10/15 06:11	2
Vinyl chloride	**2.2**		2.0	1.8	ug/L			12/10/15 06:11	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/10/15 06:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/10/15 06:11*	*2*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/10/15 06:11*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/10/15 06:11*	*2*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/10/15 06:11*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: AF-11D-120115

Date Collected: 12/01/15 09:57
Date Received: 12/02/15 09:30

Lab Sample ID: 480-91944-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 06:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 06:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 06:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 06:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 06:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 06:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 06:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 06:35	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 06:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 06:35	1
Acetone	ND		10	3.0	ug/L			12/10/15 06:35	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 06:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 06:35	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 06:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 06:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 06:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 06:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 06:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 06:35	1
Chloroethane	**0.76**	**J**	1.0	0.32	ug/L			12/10/15 06:35	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 06:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 06:35	1
cis-1,2-Dichloroethene	**0.95**	**J**	1.0	0.81	ug/L			12/10/15 06:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 06:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 06:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 06:35	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 06:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 06:35	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 06:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 06:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 06:35	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 06:35	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			12/10/15 06:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/10/15 06:35*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*12/10/15 06:35*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/10/15 06:35*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*12/10/15 06:35*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: AF-11S-120115

Lab Sample ID: 480-91944-10

Date Collected: 12/01/15 11:32
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 06:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 06:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 06:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 06:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 06:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 06:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 06:59	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 06:59	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 06:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 06:59	1
Acetone	ND		10	3.0	ug/L			12/10/15 06:59	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 06:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 06:59	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 06:59	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 06:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 06:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 06:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 06:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 06:59	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 06:59	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 06:59	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 06:59	1
cis-1,2-Dichloroethene	**0.93**	**J**	1.0	0.81	ug/L			12/10/15 06:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 06:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 06:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 06:59	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 06:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 06:59	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 06:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 06:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 06:59	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 06:59	1
Vinyl chloride	**2.5**		1.0	0.90	ug/L			12/10/15 06:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/10/15 06:59*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/10/15 06:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/10/15 06:59*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/10/15 06:59*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: OSMW-4D-120115

Lab Sample ID: 480-91944-11

Date Collected: 12/01/15 13:13
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 07:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 07:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 07:22	1
1,1-Dichloroethane	**3.7**		1.0	0.38	ug/L			12/10/15 07:22	1
1,1-Dichloroethene	**0.30**	**J**	1.0	0.29	ug/L			12/10/15 07:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 07:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 07:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 07:22	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 07:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 07:22	1
Acetone	ND		10	3.0	ug/L			12/10/15 07:22	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 07:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 07:22	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 07:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 07:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 07:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 07:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 07:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 07:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 07:22	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 07:22	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 07:22	1
cis-1,2-Dichloroethene	**8.2**		1.0	0.81	ug/L			12/10/15 07:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 07:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 07:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 07:22	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 07:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 07:22	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 07:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 07:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 07:22	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 07:22	1
Vinyl chloride	**17**		1.0	0.90	ug/L			12/10/15 07:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 07:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/10/15 07:22*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/10/15 07:22*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/10/15 07:22*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/10/15 07:22*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: OSMW-4S-120115

Lab Sample ID: 480-91944-12

Date Collected: 12/01/15 14:30
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 07:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 07:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 07:46	1
1,1-Dichloroethane	**0.53**	**J**	1.0	0.38	ug/L			12/10/15 07:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 07:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 07:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 07:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 07:46	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 07:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 07:46	1
Acetone	ND		10	3.0	ug/L			12/10/15 07:46	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 07:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 07:46	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 07:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 07:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 07:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 07:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 07:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 07:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 07:46	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 07:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 07:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 07:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 07:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 07:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 07:46	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 07:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 07:46	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 07:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 07:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 07:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 07:46	1
Vinyl chloride	**22**		1.0	0.90	ug/L			12/10/15 07:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/10/15 07:46*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/10/15 07:46*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/10/15 07:46*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/10/15 07:46*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-7S-120115

Lab Sample ID: 480-91944-13

Date Collected: 12/01/15 08:10
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 14:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 14:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 14:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 14:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 14:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 14:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 14:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 14:01	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 14:01	1
Acetone	ND		10	3.0	ug/L			12/10/15 14:01	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 14:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 14:01	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 14:01	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 14:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 14:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 14:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 14:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 14:01	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 14:01	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 14:01	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 14:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 14:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 14:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 14:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 14:01	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 14:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 14:01	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 14:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 14:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 14:01	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 14:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 14:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/10/15 14:01*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/10/15 14:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/10/15 14:01*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/10/15 14:01*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-8D-120115

Lab Sample ID: 480-91944-14

Date Collected: 12/01/15 08:15
Date Received: 12/02/15 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 08:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 08:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 08:34	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			12/10/15 08:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 08:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 08:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 08:34	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 08:34	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 08:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 08:34	1
Acetone	ND		10	3.0	ug/L			12/10/15 08:34	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 08:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 08:34	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 08:34	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 08:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 08:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 08:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 08:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 08:34	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 08:34	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 08:34	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 08:34	1
cis-1,2-Dichloroethene	**4.8**		1.0	0.81	ug/L			12/10/15 08:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 08:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 08:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 08:34	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 08:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 08:34	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 08:34	1
trans-1,2-Dichloroethene	**1.9**		1.0	0.90	ug/L			12/10/15 08:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 08:34	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 08:34	1
Vinyl chloride	**6.1**		1.0	0.90	ug/L			12/10/15 08:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 08:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/10/15 08:34*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/10/15 08:34*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/10/15 08:34*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*12/10/15 08:34*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-91944-15

Date Collected: 12/01/15 00:00
Date Received: 12/02/15 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 08:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 08:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 08:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 08:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 08:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 08:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 08:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 08:57	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/10/15 08:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 08:57	1
Acetone	ND		10	3.0	ug/L			12/10/15 08:57	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 08:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 08:57	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 08:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 08:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 08:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 08:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 08:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 08:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 08:57	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 08:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 08:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 08:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 08:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 08:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 08:57	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 08:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 08:57	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 08:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 08:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 08:57	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 08:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 08:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/10/15 08:57*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/10/15 08:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/10/15 08:57*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/10/15 08:57*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-91944-8	ADP-100 120115	96	97	100	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-91944-1	EW-7S 120115	98	100	103	98
480-91944-2	EW-8D 120115	97	98	102	101
480-91944-3	EW-3D 120115	100	99	101	103
480-91944-3 MS	EW-3D 120115	97	100	106	100
480-91944-3 MSD	EW-3D 120115	97	99	105	102
480-91944-4	EW-5P 120115	95	97	103	96
480-91944-5	EW-4P 120115	96	98	101	102
480-91944-6	EW-2P 120115	96	101	103	99
480-91944-7	EW-6P 120115	98	99	102	102
480-91944-9	AF-11D-120115	97	96	100	98
480-91944-10	AF-11S-120115	95	98	102	100
480-91944-11	OSMW-4D-120115	99	99	103	102
480-91944-12	OSMW-4S-120115	97	100	101	101
480-91944-13	EW-7S-120115	98	98	100	102
480-91944-14	EW-8D-120115	97	101	104	99
480-91944-15	Trip Blank	97	100	102	100
LCS 480-278987/6	Lab Control Sample	100	99	104	102
LCS 480-279057/4	Lab Control Sample	96	100	102	100
LCSD 480-278987/7	Lab Control Sample Dup	101	100	105	104
LCSD 480-279057/5	Lab Control Sample Dup	100	101	104	102
MB 480-278987/12	Method Blank	96	99	101	101
MB 480-279057/7	Method Blank	97	99	103	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-278987/12
Matrix: Water
Analysis Batch: 278987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 02:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 02:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 02:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 02:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 02:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 02:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 02:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 02:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 02:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 02:13	1
Acetone	ND		10	3.0	ug/L			12/10/15 02:13	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 02:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 02:13	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 02:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 02:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 02:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 02:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 02:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 02:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 02:13	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 02:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 02:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 02:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 02:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 02:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 02:13	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 02:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 02:13	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 02:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 02:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 02:13	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 02:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 02:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 02:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/10/15 02:13*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/10/15 02:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/10/15 02:13*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/10/15 02:13*	*1*

Lab Sample ID: LCS 480-278987/6
Matrix: Water
Analysis Batch: 278987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	70 - 126

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

Lab Sample ID: LCS 480-278987/6
Matrix: Water
Analysis Batch: 278987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	26.9		ug/L		108	71 - 129
1,1-Dichloroethene	25.0	26.6		ug/L		106	58 - 121
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 127
1,2-Dichloropropane	25.0	26.9		ug/L		108	76 - 120
2-Hexanone	125	131		ug/L		105	65 - 127
2-Butanone (MEK)	125	233	*	ug/L		186	57 - 140
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	26.9		ug/L		107	71 - 124
Bromodichloromethane	25.0	26.4		ug/L		106	80 - 122
Bromoform	25.0	25.5		ug/L		102	52 - 132
Bromomethane	25.0	28.8		ug/L		115	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	72 - 120
Dibromochloromethane	25.0	27.1		ug/L		108	75 - 125
Chloroethane	25.0	32.0		ug/L		128	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	23.0		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	27.1		ug/L		109	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Ethylbenzene	25.0	26.6		ug/L		106	77 - 123
Methylene Chloride	25.0	27.3		ug/L		109	57 - 132
Styrene	25.0	26.7		ug/L		107	70 - 130
Tetrachloroethene	25.0	28.7		ug/L		115	74 - 122
Toluene	25.0	26.3		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.9		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	72 - 123
Trichloroethene	25.0	28.0		ug/L		112	74 - 123
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133
Xylenes, Total	50.0	53.7		ug/L		107	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Lab Sample ID: LCSD 480-278987/7
Matrix: Water
Analysis Batch: 278987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126	1	15
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		99	70 - 126	5	15
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122	2	15
1,1-Dichloroethane	25.0	26.5		ug/L		106	71 - 129	2	20

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

Lab Sample ID: LCSD 480-278987/7
Matrix: Water
Analysis Batch: 278987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	25.6		ug/L		103	58 - 121	3	16
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 127	1	20
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120	3	20
2-Hexanone	125	131		ug/L		105	65 - 127	0	15
2-Butanone (MEK)	125	232	*	ug/L		186	57 - 140	0	20
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125	2	35
Acetone	125	135		ug/L		108	56 - 142	0	15
Benzene	25.0	26.3		ug/L		105	71 - 124	2	13
Bromodichloromethane	25.0	26.6		ug/L		106	80 - 122	1	15
Bromoform	25.0	25.9		ug/L		103	52 - 132	1	15
Bromomethane	25.0	28.4		ug/L		114	55 - 144	1	15
Carbon disulfide	25.0	25.1		ug/L		100	59 - 134	3	15
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134	0	15
Chlorobenzene	25.0	26.4		ug/L		106	72 - 120	0	25
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125	1	15
Chloroethane	25.0	32.4		ug/L		129	69 - 136	1	15
Chloroform	25.0	25.7		ug/L		103	73 - 127	1	20
Chloromethane	25.0	22.7		ug/L		91	68 - 124	1	15
cis-1,2-Dichloroethene	25.0	26.4		ug/L		105	74 - 124	3	15
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124	0	15
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123	2	15
Methylene Chloride	25.0	26.9		ug/L		108	57 - 132	1	15
Styrene	25.0	26.1		ug/L		104	70 - 130	2	20
Tetrachloroethene	25.0	29.3		ug/L		117	74 - 122	2	20
Toluene	25.0	25.5		ug/L		102	80 - 122	3	15
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127	3	20
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	72 - 123	1	15
Trichloroethene	25.0	27.4		ug/L		109	74 - 123	2	16
Vinyl chloride	25.0	24.1		ug/L		96	65 - 133	1	15
Xylenes, Total	50.0	52.8		ug/L		106	76 - 122	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*60 - 140*

Lab Sample ID: MB 480-279057/7
Matrix: Water
Analysis Batch: 279057

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 12:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 12:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 12:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 12:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 12:32	1

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

Lab Sample ID: MB 480-279057/7
Matrix: Water
Analysis Batch: 279057

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 12:32	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 12:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 12:32	1
Acetone	ND		10	3.0	ug/L			12/10/15 12:32	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 12:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 12:32	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 12:32	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 12:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 12:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 12:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 12:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 12:32	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 12:32	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 12:32	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 12:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 12:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 12:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 12:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 12:32	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 12:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 12:32	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 12:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 12:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 12:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 12:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 12:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/10/15 12:32*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/10/15 12:32*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/10/15 12:32*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/10/15 12:32*	*1*

Lab Sample ID: LCS 480-279057/4
Matrix: Water
Analysis Batch: 279057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.0		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	70 - 126
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	22.0		ug/L		88	58 - 121
1,2-Dichloroethane	25.0	22.8		ug/L		91	75 - 127
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
2-Hexanone	125	118		ug/L		94	65 - 127

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

Lab Sample ID: LCS 480-279057/4
Matrix: Water
Analysis Batch: 279057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	125	210	*	ug/L		168	57 - 140
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	124		ug/L		100	56 - 142
Benzene	25.0	24.1		ug/L		97	71 - 124
Bromodichloromethane	25.0	24.2		ug/L		97	80 - 122
Bromoform	25.0	22.1		ug/L		88	52 - 132
Bromomethane	25.0	22.6		ug/L		90	55 - 144
Carbon disulfide	25.0	22.6		ug/L		90	59 - 134
Carbon tetrachloride	25.0	24.6		ug/L		99	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	72 - 120
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	23.2		ug/L		93	73 - 127
Chloromethane	25.0	20.5		ug/L		82	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Methylene Chloride	25.0	24.7		ug/L		99	57 - 132
Styrene	25.0	24.8		ug/L		99	70 - 130
Tetrachloroethene	25.0	27.2		ug/L		109	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	72 - 123
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133
Xylenes, Total	50.0	49.9		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: LCSD 480-279057/5
Matrix: Water
Analysis Batch: 279057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	73 - 126	3	15
1,1,2,2-Tetrachloroethane	25.0	22.5		ug/L		90	70 - 126	4	15
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122	0	15
1,1-Dichloroethane	25.0	24.2		ug/L		97	71 - 129	1	20
1,1-Dichloroethene	25.0	22.5		ug/L		90	58 - 121	2	16
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 127	0	20
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120	0	20
2-Hexanone	125	117		ug/L		94	65 - 127	1	15
2-Butanone (MEK)	125	218	*	ug/L		174	57 - 140	4	20
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125	1	35

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

Lab Sample ID: LCSD 480-279057/5
Matrix: Water
Analysis Batch: 279057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	125	129		ug/L		103	56 - 142	4	15
Benzene	25.0	23.7		ug/L		95	71 - 124	2	13
Bromodichloromethane	25.0	23.9		ug/L		95	80 - 122	1	15
Bromoform	25.0	22.2		ug/L		89	52 - 132	1	15
Bromomethane	25.0	22.4		ug/L		90	55 - 144	1	15
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134	0	15
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134	3	15
Chlorobenzene	25.0	24.5		ug/L		98	72 - 120	1	25
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125	0	15
Chloroethane	25.0	23.8		ug/L		95	69 - 136	4	15
Chloroform	25.0	23.6		ug/L		94	73 - 127	2	20
Chloromethane	25.0	20.4		ug/L		81	68 - 124	1	15
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	74 - 124	1	15
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124	1	15
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123	2	15
Methylene Chloride	25.0	24.6		ug/L		98	57 - 132	1	15
Styrene	25.0	24.0		ug/L		96	70 - 130	3	20
Tetrachloroethene	25.0	25.9		ug/L		104	74 - 122	5	20
Toluene	25.0	23.7		ug/L		95	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127	4	20
trans-1,3-Dichloropropene	25.0	23.9		ug/L		95	72 - 123	2	15
Trichloroethene	25.0	24.3		ug/L		97	74 - 123	4	16
Vinyl chloride	25.0	21.7		ug/L		87	65 - 133	3	15
Xylenes, Total	50.0	48.3		ug/L		97	76 - 122	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Lab Sample ID: 480-91944-3 MS
Matrix: Water
Analysis Batch: 279057

Client Sample ID: EW-3D 120115
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	97.7		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	87.9		ug/L		88	70 - 126
1,1,2-Trichloroethane	ND		100	93.8		ug/L		94	76 - 122
1,1-Dichloroethane	ND		100	94.9		ug/L		95	71 - 129
1,1-Dichloroethene	ND		100	88.6		ug/L		89	58 - 121
1,2-Dichloroethane	ND		100	91.2		ug/L		91	75 - 127
1,2-Dichloropropane	ND		100	95.3		ug/L		95	76 - 120
2-Hexanone	ND		500	459		ug/L		92	65 - 127
2-Butanone (MEK)	ND	*	500	459		ug/L		92	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	429		ug/L		86	71 - 125
Acetone	ND		500	474		ug/L		95	56 - 142
Benzene	ND		100	98.3		ug/L		98	71 - 124

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

Lab Sample ID: 480-91944-3 MS
Matrix: Water
Analysis Batch: 279057

Client Sample ID: EW-3D 120115
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	ND		100	89.0		ug/L		89	80 - 122
Bromoform	ND		100	66.8		ug/L		67	52 - 132
Bromomethane	ND		100	101		ug/L		101	55 - 144
Carbon disulfide	ND		100	84.9		ug/L		85	59 - 134
Carbon tetrachloride	ND		100	94.0		ug/L		94	72 - 134
Chlorobenzene	ND		100	96.2		ug/L		96	72 - 120
Dibromochloromethane	ND		100	84.7		ug/L		85	75 - 125
Chloroethane	ND		100	105		ug/L		105	69 - 136
Chloroform	ND		100	93.9		ug/L		94	73 - 127
Chloromethane	ND		100	83.2		ug/L		83	68 - 124
cis-1,2-Dichloroethene	140		100	231		ug/L		92	74 - 124
cis-1,3-Dichloropropene	ND		100	90.2		ug/L		90	74 - 124
Ethylbenzene	ND		100	96.3		ug/L		96	77 - 123
Methylene Chloride	ND		100	103		ug/L		103	57 - 132
Styrene	ND		100	98.1		ug/L		98	70 - 130
Tetrachloroethene	ND		100	103		ug/L		103	74 - 122
Toluene	ND		100	96.4		ug/L		96	80 - 122
trans-1,2-Dichloroethene	23		100	122		ug/L		99	73 - 127
trans-1,3-Dichloropropene	ND		100	90.1		ug/L		90	72 - 123
Trichloroethene	180		100	275		ug/L		98	74 - 123
Vinyl chloride	ND		100	94.1		ug/L		94	65 - 133
Xylenes, Total	ND		200	197		ug/L		99	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: 480-91944-3 MSD
Matrix: Water
Analysis Batch: 279057

Client Sample ID: EW-3D 120115
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	95.5		ug/L		96	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		100	90.6		ug/L		91	70 - 126	3	15
1,1,2-Trichloroethane	ND		100	92.9		ug/L		93	76 - 122	1	15
1,1-Dichloroethane	ND		100	94.2		ug/L		94	71 - 129	1	20
1,1-Dichloroethene	ND		100	92.4		ug/L		92	58 - 121	4	16
1,2-Dichloroethane	ND		100	90.6		ug/L		91	75 - 127	1	20
1,2-Dichloropropane	ND		100	96.6		ug/L		97	76 - 120	1	20
2-Hexanone	ND		500	457		ug/L		91	65 - 127	0	15
2-Butanone (MEK)	ND	*	500	469		ug/L		94	57 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		500	427		ug/L		85	71 - 125	1	35
Acetone	ND		500	488		ug/L		98	56 - 142	3	15
Benzene	ND		100	95.6		ug/L		96	71 - 124	3	13
Bromodichloromethane	ND		100	88.6		ug/L		89	80 - 122	0	15
Bromoform	ND		100	69.0		ug/L		69	52 - 132	3	15

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

Lab Sample ID: 480-91944-3 MSD
Matrix: Water
Analysis Batch: 279057

Client Sample ID: EW-3D 120115
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		100	92.2		ug/L		92	55 - 144	9	15
Carbon disulfide	ND		100	83.6		ug/L		84	59 - 134	2	15
Carbon tetrachloride	ND		100	93.9		ug/L		94	72 - 134	0	15
Chlorobenzene	ND		100	94.0		ug/L		94	72 - 120	2	25
Dibromochloromethane	ND		100	83.6		ug/L		84	75 - 125	1	15
Chloroethane	ND		100	99.1		ug/L		99	69 - 136	6	15
Chloroform	ND		100	92.8		ug/L		93	73 - 127	1	20
Chloromethane	ND		100	81.6		ug/L		82	68 - 124	2	15
cis-1,2-Dichloroethene	140		100	231		ug/L		93	74 - 124	0	15
cis-1,3-Dichloropropene	ND		100	93.2		ug/L		93	74 - 124	3	15
Ethylbenzene	ND		100	92.3		ug/L		92	77 - 123	4	15
Methylene Chloride	ND		100	102		ug/L		102	57 - 132	1	15
Styrene	ND		100	94.8		ug/L		95	70 - 130	3	20
Tetrachloroethene	ND		100	97.8		ug/L		98	74 - 122	6	20
Toluene	ND		100	92.5		ug/L		93	80 - 122	4	15
trans-1,2-Dichloroethene	23		100	120		ug/L		96	73 - 127	2	20
trans-1,3-Dichloropropene	ND		100	87.2		ug/L		87	72 - 123	3	15
Trichloroethene	180		100	271		ug/L		93	74 - 123	2	16
Vinyl chloride	ND		100	91.7		ug/L		92	65 - 133	3	15
Xylenes, Total	ND		200	189		ug/L		94	76 - 122	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

GC/MS VOA

Analysis Batch: 278987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91944-1	EW-7S 120115	Total/NA	Water	8260C	
480-91944-2	EW-8D 120115	Total/NA	Water	8260C	
480-91944-3	EW-3D 120115	Total/NA	Water	8260C	
480-91944-4	EW-5P 120115	Total/NA	Water	8260C	
480-91944-5	EW-4P 120115	Total/NA	Water	8260C	
480-91944-6	EW-2P 120115	Total/NA	Water	8260C	
480-91944-7	EW-6P 120115	Total/NA	Water	8260C	
480-91944-8	ADP-100 120115	Total/NA	Ground Water	8260C	
480-91944-9	AF-11D-120115	Total/NA	Water	8260C	
480-91944-10	AF-11S-120115	Total/NA	Water	8260C	
480-91944-11	OSMW-4D-120115	Total/NA	Water	8260C	
480-91944-12	OSMW-4S-120115	Total/NA	Water	8260C	
480-91944-14	EW-8D-120115	Total/NA	Water	8260C	
480-91944-15	Trip Blank	Total/NA	Water	8260C	
LCS 480-278987/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-278987/7	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-278987/12	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 279057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91944-3 MS	EW-3D 120115	Total/NA	Water	8260C	
480-91944-3 MSD	EW-3D 120115	Total/NA	Water	8260C	
480-91944-13	EW-7S-120115	Total/NA	Water	8260C	
LCS 480-279057/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-279057/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-279057/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-7S 120115 — Lab Sample ID: 480-91944-1

Date Collected: 12/01/15 08:10 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 03:25	GTG	TAL BUF

Client Sample ID: EW-8D 120115 — Lab Sample ID: 480-91944-2

Date Collected: 12/01/15 08:15 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 03:48	GTG	TAL BUF

Client Sample ID: EW-3D 120115 — Lab Sample ID: 480-91944-3

Date Collected: 12/01/15 08:50 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	278987	12/10/15 04:12	GTG	TAL BUF

Client Sample ID: EW-5P 120115 — Lab Sample ID: 480-91944-4

Date Collected: 12/01/15 09:10 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	278987	12/10/15 04:36	GTG	TAL BUF

Client Sample ID: EW-4P 120115 — Lab Sample ID: 480-91944-5

Date Collected: 12/01/15 09:16 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	278987	12/10/15 04:59	GTG	TAL BUF

Client Sample ID: EW-2P 120115 — Lab Sample ID: 480-91944-6

Date Collected: 12/01/15 09:30 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	278987	12/10/15 05:23	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-6P 120115 — Lab Sample ID: 480-91944-7

Date Collected: 12/01/15 09:45 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	278987	12/10/15 05:47	GTG	TAL BUF

Client Sample ID: ADP-100 120115 — Lab Sample ID: 480-91944-8

Date Collected: 12/01/15 09:46 — **Matrix: Ground Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	278987	12/10/15 06:11	GTG	TAL BUF

Client Sample ID: AF-11D-120115 — Lab Sample ID: 480-91944-9

Date Collected: 12/01/15 09:57 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 06:35	GTG	TAL BUF

Client Sample ID: AF-11S-120115 — Lab Sample ID: 480-91944-10

Date Collected: 12/01/15 11:32 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 06:59	GTG	TAL BUF

Client Sample ID: OSMW-4D-120115 — Lab Sample ID: 480-91944-11

Date Collected: 12/01/15 13:13 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 07:22	GTG	TAL BUF

Client Sample ID: OSMW-4S-120115 — Lab Sample ID: 480-91944-12

Date Collected: 12/01/15 14:30 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 07:46	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Client Sample ID: EW-7S-120115

Lab Sample ID: 480-91944-13
Date Collected: 12/01/15 08:10
Matrix: Water
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279057	12/10/15 14:01	GVF	TAL BUF

Client Sample ID: EW-8D-120115

Lab Sample ID: 480-91944-14
Date Collected: 12/01/15 08:15
Matrix: Water
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 08:34	GTG	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-91944-15
Date Collected: 12/01/15 00:00
Matrix: Water
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278987	12/10/15 08:57	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-91944-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91944-1	EW-7S 120115	Water	12/01/15 08:10	12/02/15 09:30
480-91944-2	EW-8D 120115	Water	12/01/15 08:15	12/02/15 09:30
480-91944-3	EW-3D 120115	Water	12/01/15 08:50	12/02/15 09:30
480-91944-4	EW-5P 120115	Water	12/01/15 09:10	12/02/15 09:30
480-91944-5	EW-4P 120115	Water	12/01/15 09:16	12/02/15 09:30
480-91944-6	EW-2P 120115	Water	12/01/15 09:30	12/02/15 09:30
480-91944-7	EW-6P 120115	Water	12/01/15 09:45	12/02/15 09:30
480-91944-8	ADP-100 120115	Ground Water	12/01/15 09:46	12/02/15 09:30
480-91944-9	AF-11D-120115	Water	12/01/15 09:57	12/02/15 09:30
480-91944-10	AF-11S-120115	Water	12/01/15 11:32	12/02/15 09:30
480-91944-11	OSMW-4D-120115	Water	12/01/15 13:13	12/02/15 09:30
480-91944-12	OSMW-4S-120115	Water	12/01/15 14:30	12/02/15 09:30
480-91944-13	EW-7S-120115	Water	12/01/15 08:10	12/02/15 09:30
480-91944-14	EW-8D-120115	Water	12/01/15 08:15	12/02/15 09:30
480-91944-15	Trip Blank	Water	12/01/15 00:00	12/02/15 09:30

Buffalo

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

480003453

TAL-4124 (1007)

Client	O'Brien & Gere
Project Manager	Tony Finch
Date	12
Chain of Custody Number	
Address	8805 Governors Hill Dr
Telephone Number (Area Code)/Fax Number	248-477-5701
Lab Nu	
City	Cincinnati
State	OH
Zip Code	45249
Site Contact	Mike McLaughlin
Lab Contact	John Skehore
Project Name and Location (State)	GE-IRM / Ohio
Carrier/Waybill Number	
Contract/Purchase Order/Quote No.	11311127

480-91944 Chain of Custody

Analysis (Al more space

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH									
EW-7S	120115	12-1-15	8:10		X							3											
EW-8D	120115		8:15		X							3											
EW-3P	120115		8:50		X							9											
EW-5P	120115		9:10		X							3											
EW-4P	120115		9:16		X							3											
EW-2P	120115		9:30		X							3											
EW-6P	120115		9:45		X							3											
ADP-100	120115		9:46		X							3											

Cincinnati

210501

Possible Hazard Identification

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

Sample Disposal

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

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify) Use Trip Blank w/ COC # 291613

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	12/1/15	12:50	1. Received By: [signature]	12/1/15	12:50
2. Relinquished By: [signature]	12/1/15	12:50	2. Received By: [signature]	12/2/15	09:30
3. Relinquished By			3. Received By		

Comments

2.0 #1

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

Ref:
Dep:

Date: 01Dec15
Wgt: 22.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: STANDARD OVERNIGHT
TRCK: 7003 1337 6033

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Terra Dalton	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-74732-18969.1
Client Contact: Terra Dalton	Phone: (513) 697-2020	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: —			
City: Cincinnati	TAT Requested (days): 14 days			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11510297			
Email: terra.dalton@obg.com	WO #: ~~60968, etc~~ 60834.006			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL; B - NaOH; C - Zn Ac; D - Nitric; E - NaHS; F - MeOH; G - Amchl; H - Ascorb; I - Ice; J - DI Wat; K - EDTA; L - EDA; Other:

Cincinnati 210501

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note
				Preservation Code:			A		
AF-11D-120115	12/1/15	957	G	Water			X		
AF-11S-120115	↓	1132	↓	Water			X		
OSMW-4D-120115	↓	1313	↓	Water			X		
OSMW-4S-120115	↓	1430	↓	Water			X		
EW-7S-120115	↓	810	↓	Water			X		
EW-8D-120115	↓	815	↓	Water			X		
TRIP BLANK	↓	X	↓	Water			X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: —	Date: —	Time: —	Method of Shipment: —		
Relinquished by: Terra Dalton	Date/Time: 12/1/15 1530	Company: OBG	Received by: [signature]	Date/Time: 12/1/15 1530	Company: TestAmerica
Relinquished by: [signature]	Date/Time: 12/1/15 1540	Company: TestAmerica	Received by: [signature]	Date/Time: 12/2/15 0930	Company: —
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.0 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91944-1

Login Number: 91944
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	obg
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-91947-1
TestAmerica Sample Delivery Group: 480-90366-1
Client Project/Site: GE Evendale - IRM Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
12/10/2015 3:53:05 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Job ID: 480-91947-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91947-1

Comments
No additional comments.

Receipt
The samples were received on 12/2/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT 120115 (480-91947-2) and MIXING TANK 120115 (480-91947-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Client Sample ID: TRIP BLANK 120115 — Lab Sample ID: 480-91947-1

No Detections.

Client Sample ID: INFLUENT 120115 — Lab Sample ID: 480-91947-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	29		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.0		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.5		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	43		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.5		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.9		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: MIXING TANK 120115 — Lab Sample ID: 480-91947-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	27		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.6	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	37		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	4.5		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	96		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: EFFLUENT 120115 — Lab Sample ID: 480-91947-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Client Sample ID: TRIP BLANK 120115

Lab Sample ID: 480-91947-1

Date Collected: 12/01/15 00:00
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/15 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/15 14:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/15 14:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/15 14:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/15 14:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/15 14:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/15 14:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/15 14:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/15 14:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/15 14:44	1
Acetone	ND		10	3.0	ug/L			12/09/15 14:44	1
Benzene	ND		1.0	0.41	ug/L			12/09/15 14:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/15 14:44	1
Bromoform	ND		1.0	0.26	ug/L			12/09/15 14:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/15 14:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/15 14:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/15 14:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/15 14:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/15 14:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/15 14:44	1
Chloroform	ND		1.0	0.34	ug/L			12/09/15 14:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/15 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/15 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/15 14:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/15 14:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/15 14:44	1
Styrene	ND		1.0	0.73	ug/L			12/09/15 14:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/15 14:44	1
Toluene	ND		1.0	0.51	ug/L			12/09/15 14:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/15 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/15 14:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/15 14:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/15 14:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/15 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/09/15 14:44*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/09/15 14:44*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*12/09/15 14:44*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*		*12/09/15 14:44*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Client Sample ID: INFLUENT 120115

Lab Sample ID: 480-91947-2

Date Collected: 12/01/15 06:20
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**29**		2.0	1.6	ug/L			12/09/15 16:05	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/09/15 16:05	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/09/15 16:05	2
1,1-Dichloroethane	**6.0**		2.0	0.76	ug/L			12/09/15 16:05	2
1,1-Dichloroethene	**2.5**		2.0	0.58	ug/L			12/09/15 16:05	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/09/15 16:05	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/09/15 16:05	2
2-Hexanone	ND		10	2.5	ug/L			12/09/15 16:05	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/09/15 16:05	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/09/15 16:05	2
Acetone	ND		20	6.0	ug/L			12/09/15 16:05	2
Benzene	ND		2.0	0.82	ug/L			12/09/15 16:05	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/09/15 16:05	2
Bromoform	ND		2.0	0.52	ug/L			12/09/15 16:05	2
Bromomethane	ND		2.0	1.4	ug/L			12/09/15 16:05	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/09/15 16:05	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/09/15 16:05	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/09/15 16:05	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/09/15 16:05	2
Chloroethane	ND		2.0	0.64	ug/L			12/09/15 16:05	2
Chloroform	ND		2.0	0.68	ug/L			12/09/15 16:05	2
Chloromethane	ND		2.0	0.70	ug/L			12/09/15 16:05	2
cis-1,2-Dichloroethene	**43**		2.0	1.6	ug/L			12/09/15 16:05	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/09/15 16:05	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/09/15 16:05	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/09/15 16:05	2
Styrene	ND		2.0	1.5	ug/L			12/09/15 16:05	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/09/15 16:05	2
Toluene	ND		2.0	1.0	ug/L			12/09/15 16:05	2
trans-1,2-Dichloroethene	**6.5**		2.0	1.8	ug/L			12/09/15 16:05	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/09/15 16:05	2
Trichloroethene	**110**		2.0	0.92	ug/L			12/09/15 16:05	2
Vinyl chloride	**2.9**		2.0	1.8	ug/L			12/09/15 16:05	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/09/15 16:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/09/15 16:05*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*12/09/15 16:05*	*2*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/09/15 16:05*	*2*
Dibromofluoromethane (Surr)	*94*		*60 - 140*		*12/09/15 16:05*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Client Sample ID: MIXING TANK 120115

Lab Sample ID: 480-91947-3
Date Collected: 12/01/15 06:18
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**27**		2.0	1.6	ug/L			12/09/15 15:38	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/09/15 15:38	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/09/15 15:38	2
1,1-Dichloroethane	**5.4**		2.0	0.76	ug/L			12/09/15 15:38	2
1,1-Dichloroethene	**1.6**	**J**	2.0	0.58	ug/L			12/09/15 15:38	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/09/15 15:38	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/09/15 15:38	2
2-Hexanone	ND		10	2.5	ug/L			12/09/15 15:38	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/09/15 15:38	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/09/15 15:38	2
Acetone	ND		20	6.0	ug/L			12/09/15 15:38	2
Benzene	ND		2.0	0.82	ug/L			12/09/15 15:38	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/09/15 15:38	2
Bromoform	ND		2.0	0.52	ug/L			12/09/15 15:38	2
Bromomethane	ND		2.0	1.4	ug/L			12/09/15 15:38	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/09/15 15:38	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/09/15 15:38	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/09/15 15:38	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/09/15 15:38	2
Chloroethane	ND		2.0	0.64	ug/L			12/09/15 15:38	2
Chloroform	ND		2.0	0.68	ug/L			12/09/15 15:38	2
Chloromethane	ND		2.0	0.70	ug/L			12/09/15 15:38	2
cis-1,2-Dichloroethene	**37**		2.0	1.6	ug/L			12/09/15 15:38	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/09/15 15:38	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/09/15 15:38	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/09/15 15:38	2
Styrene	ND		2.0	1.5	ug/L			12/09/15 15:38	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/09/15 15:38	2
Toluene	ND		2.0	1.0	ug/L			12/09/15 15:38	2
trans-1,2-Dichloroethene	**4.5**		2.0	1.8	ug/L			12/09/15 15:38	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/09/15 15:38	2
Trichloroethene	**96**		2.0	0.92	ug/L			12/09/15 15:38	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/09/15 15:38	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/09/15 15:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/09/15 15:38*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*12/09/15 15:38*	*2*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/09/15 15:38*	*2*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*12/09/15 15:38*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Client Sample ID: EFFLUENT 120115

Lab Sample ID: 480-91947-4

Date Collected: 12/01/15 06:15
Matrix: Water
Date Received: 12/02/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/15 15:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/15 15:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/15 15:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/15 15:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/15 15:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/15 15:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/15 15:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/15 15:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/15 15:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/15 15:11	1
Acetone	ND		10	3.0	ug/L			12/09/15 15:11	1
Benzene	ND		1.0	0.41	ug/L			12/09/15 15:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/15 15:11	1
Bromoform	ND		1.0	0.26	ug/L			12/09/15 15:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/15 15:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/15 15:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/15 15:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/15 15:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/15 15:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/15 15:11	1
Chloroform	ND		1.0	0.34	ug/L			12/09/15 15:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/15 15:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/15 15:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/15 15:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/15 15:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/15 15:11	1
Styrene	ND		1.0	0.73	ug/L			12/09/15 15:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/15 15:11	1
Toluene	ND		1.0	0.51	ug/L			12/09/15 15:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/15 15:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/15 15:11	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/15 15:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/15 15:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/15 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*12/09/15 15:11*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*12/09/15 15:11*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*12/09/15 15:11*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/09/15 15:11*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-91947-1	TRIP BLANK 120115	91	89	89	87
480-91947-2	INFLUENT 120115	96	92	90	94
480-91947-3	MIXING TANK 120115	99	92	91	97
480-91947-4	EFFLUENT 120115	93	91	87	92
LCS 480-278850/5	Lab Control Sample	89	91	97	91
MB 480-278850/7	Method Blank	94	93	94	92

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-278850/7
Matrix: Water
Analysis Batch: 278850

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/15 13:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/15 13:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/15 13:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/15 13:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/15 13:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/15 13:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/15 13:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/15 13:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/15 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/15 13:39	1
Acetone	ND		10	3.0	ug/L			12/09/15 13:39	1
Benzene	ND		1.0	0.41	ug/L			12/09/15 13:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/15 13:39	1
Bromoform	ND		1.0	0.26	ug/L			12/09/15 13:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/15 13:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/15 13:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/15 13:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/15 13:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/15 13:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/15 13:39	1
Chloroform	ND		1.0	0.34	ug/L			12/09/15 13:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/15 13:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/15 13:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/15 13:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/15 13:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/15 13:39	1
Styrene	ND		1.0	0.73	ug/L			12/09/15 13:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/15 13:39	1
Toluene	ND		1.0	0.51	ug/L			12/09/15 13:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/15 13:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/15 13:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/15 13:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/15 13:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/15 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/09/15 13:39*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*12/09/15 13:39*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/09/15 13:39*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/09/15 13:39*	*1*

Lab Sample ID: LCS 480-278850/5
Matrix: Water
Analysis Batch: 278850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.1		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	70 - 126

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

Lab Sample ID: LCS 480-278850/5
Matrix: Water
Analysis Batch: 278850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	22.5		ug/L		90	71 - 129
1,1-Dichloroethene	25.0	21.8		ug/L		87	58 - 121
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 127
1,2-Dichloropropane	25.0	22.3		ug/L		89	76 - 120
2-Hexanone	125	118		ug/L		95	65 - 127
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	168		ug/L		135	56 - 142
Benzene	25.0	22.1		ug/L		89	71 - 124
Bromodichloromethane	25.0	22.9		ug/L		91	80 - 122
Bromoform	25.0	22.8		ug/L		91	52 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	21.4		ug/L		86	59 - 134
Carbon tetrachloride	25.0	22.2		ug/L		89	72 - 134
Chlorobenzene	25.0	22.6		ug/L		90	72 - 120
Dibromochloromethane	25.0	23.6		ug/L		95	75 - 125
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	74 - 124
Ethylbenzene	25.0	22.2		ug/L		89	77 - 123
Methylene Chloride	25.0	25.0		ug/L		100	57 - 132
Styrene	25.0	23.1		ug/L		92	70 - 130
Tetrachloroethene	25.0	21.4		ug/L		86	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	73 - 127
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	72 - 123
Trichloroethene	25.0	21.7		ug/L		87	74 - 123
Vinyl chloride	25.0	23.1		ug/L		92	65 - 133
Xylenes, Total	50.0	45.5		ug/L		91	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*66 - 137*
Toluene-d8 (Surr)	*91*		*71 - 126*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

GC/MS VOA

Analysis Batch: 278850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91947-1	TRIP BLANK 120115	Total/NA	Water	8260C	
480-91947-2	INFLUENT 120115	Total/NA	Water	8260C	
480-91947-3	MIXING TANK 120115	Total/NA	Water	8260C	
480-91947-4	EFFLUENT 120115	Total/NA	Water	8260C	
LCS 480-278850/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-278850/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Client Sample ID: TRIP BLANK 120115 — Lab Sample ID: 480-91947-1

Date Collected: 12/01/15 00:00 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278850	12/09/15 14:44	SWO	TAL BUF

Client Sample ID: INFLUENT 120115 — Lab Sample ID: 480-91947-2

Date Collected: 12/01/15 06:20 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	278850	12/09/15 16:05	SWO	TAL BUF

Client Sample ID: MIXING TANK 120115 — Lab Sample ID: 480-91947-3

Date Collected: 12/01/15 06:18 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	278850	12/09/15 15:38	SWO	TAL BUF

Client Sample ID: EFFLUENT 120115 — Lab Sample ID: 480-91947-4

Date Collected: 12/01/15 06:15 — **Matrix: Water**
Date Received: 12/02/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	278850	12/09/15 15:11	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-91947-1
SDG: 480-90366-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91947-1	TRIP BLANK 120115	Water	12/01/15 00:00	12/02/15 09:30
480-91947-2	INFLUENT 120115	Water	12/01/15 06:20	12/02/15 09:30
480-91947-3	MIXING TANK 120115	Water	12/01/15 06:18	12/02/15 09:30
480-91947-4	EFFLUENT 120115	Water	12/01/15 06:15	12/02/15 09:30

Buffalo

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica 48003453

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 12-1-15	Chain of Custody Number: 291613
Address: 8905 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-804-1220	Lab Number:	Page 1 of 1
City: Cincinnati State: OH Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schova	
Project Name and Location (State): GE FKM / Ohio	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 11311127			

Analysis (Attach list if more space is needed): VOC's (8260B)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		VOC's (8260B)
Trip Blank 120115	12-1-15			X							2				X
Influent 120115	↓	6:20		X							3				X
Mixing Tank 120115	↓	6:18		X							3				X
Effluent 120115	↓	6:15		X							3				X

480-91947 Chain of Custody

Cincinnati

210501

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

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

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

QC Requirements (Specify)

1. Relinquished By: Mike McLaughlin	Date: 12-1-15	Time: 12:50	1. Received By:	Date: 12/1/15	Time: 12:50
2. Relinquished By:	Date: 12/1/15	Time: 12:50	2. Received By:	Date: 12/2/15	Time: 0930
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments

20 to 1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91947-1
SDG Number: 480-90366-1

Login Number: 91947
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	obg
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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-92124-1
Client Project/Site: GE - Evendale, OH site

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
12/18/2015 4:35:22 PM
Rebecca Jones, Project Management Assistant I
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Designee for

John Schove, Project Manager II
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LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-92124-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92124-1

Comments
No additional comments.

Receipt
The samples were received on 12/4/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279053 recovered outside acceptance criteria, low biased, for 2-Butanone (MEK), and Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detects for these analytes, the data have been reported. The following samples are impacted:OSMW-1D-120215 (480-92124-1), OSMW-1S-120215 (480-92124-2), OSMW-1P-120215 (480-92124-3), OSMW-2P-120215 (480-92124-4) and OSMW-5S-120215 (480-92124-5).

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: OSMW-1S-120215 (480-92124-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: AF-25P-120315 (480-92124-9), TMW-2D-120315 (480-92124-13), AF-24P-120315 (480-92124-14), OSMW-5D-120315 (480-92124-15), OSMW-6D-120315 (480-92124-20), H-221 120315 (480-92124-21), (480-92124-A-14 MS) and (480-92124-A-14 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was reanalyzed to confirm the presence of Vinyl Chloride: OSMW-6S-120315 (480-92124-19). The reanalysis confirms the original result; therefore, the data have been reported.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OSMW-3D-120315 (480-92124-7), TMW-2D-120315 (480-92124-13) and OSMW-5D-120315 (480-92124-15). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-279287 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: AF-7D-120315 (480-92124-23), AF-7S-120315 (480-92124-24), DUP-01-120315 (480-92124-25) and Trip Blank (480-92124-26)

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: AF-7S-120315 (480-92124-24), (480-92124-B-24 MS) and (480-92124-B-24 MSD). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-1D-120215 — Lab Sample ID: 480-92124-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	9.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1S-120215 — Lab Sample ID: 480-92124-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	54		10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride	140		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: OSMW-1P-120215 — Lab Sample ID: 480-92124-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.3		1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-2P-120215 — Lab Sample ID: 480-92124-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.2		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	20		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-5S-120215 — Lab Sample ID: 480-92124-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.92	J	1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	7.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3S-120315 — Lab Sample ID: 480-92124-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.96	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3D-120315 — Lab Sample ID: 480-92124-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.46	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.59	J	1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.81	J	1.0	0.41	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	12		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	1.2		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	21		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	410		10	8.1	ug/L	10		8260C	Total/NA

Client Sample ID: AOC PST MW-2S-120315 — Lab Sample ID: 480-92124-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	17		1.0	0.82	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AOC PST MW-2S-120315 (Continued) — Lab Sample ID: 480-92124-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.4		1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	2.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-25P-120315 — Lab Sample ID: 480-92124-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	360		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	59		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	42		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	43		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	5.2		5.0	1.8	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	5.2		5.0	4.5	ug/L	5		8260C	Total/NA
Trichloroethene	360		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: AF-21D-120315 — Lab Sample ID: 480-92124-10

No Detections.

Client Sample ID: AF-9S-120315 — Lab Sample ID: 480-92124-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.44	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-2S-120315 — Lab Sample ID: 480-92124-12

No Detections.

Client Sample ID: TMW-2D-120315 — Lab Sample ID: 480-92124-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.3	J	5.0	2.1	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	170		5.0	4.5	ug/L	5		8260C	Total/NA
Trichloroethene	2.6	J	5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	31		5.0	4.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene - DL	740		10	8.1	ug/L	10		8260C	Total/NA

Client Sample ID: AF-24P-120315 — Lab Sample ID: 480-92124-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	350	F1	10	8.2	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	110		10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	59		10	2.9	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	220		10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	8.0	J	10	3.6	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	110		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	480	F1	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	36		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: OSMW-5D-120315 — Lab Sample ID: 480-92124-15

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-5D-120315 (Continued) — Lab Sample ID: 480-92124-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	6.0		2.0	1.8	ug/L	2		8260C	Total/NA
Vinyl chloride	19		2.0	1.8	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene - DL	290		5.0	4.1	ug/L	5		8260C	Total/NA

Client Sample ID: OSMW-7D-120315 — Lab Sample ID: 480-92124-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	6.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-8S-120315 — Lab Sample ID: 480-92124-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	9.5		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.8		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	2.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-8D-120315 — Lab Sample ID: 480-92124-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.42	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	55		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-6S-120315 — Lab Sample ID: 480-92124-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.88	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.2		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	9.7		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	2.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-6D-120315 — Lab Sample ID: 480-92124-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.1		5.0	1.9	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	26		5.0	4.1	ug/L	5		8260C	Total/NA
Vinyl chloride	240		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: H-221 120315 — Lab Sample ID: 480-92124-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	18		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	3.5		2.0	0.76	ug/L	2		8260C	Total/NA
Trichloroethene	45		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: AF-7P-120315 — Lab Sample ID: 480-92124-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
Vinyl chloride	2.7		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-7D-120315 — Lab Sample ID: 480-92124-23

No Detections.

Client Sample ID: AF-7S-120315 — Lab Sample ID: 480-92124-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	7.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.0		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	470	F1	10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride - DL	480	F1	10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: DUP-01-120315 — Lab Sample ID: 480-92124-25

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 480-92124-26

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-1D-120215

Date Collected: 12/02/15 13:50
Date Received: 12/04/15 09:00

Lab Sample ID: 480-92124-1

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 13:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 13:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 13:42	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			12/10/15 13:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 13:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 13:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 13:42	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 13:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 13:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 13:42	1
Acetone	ND		10	3.0	ug/L			12/10/15 13:42	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 13:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 13:42	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 13:42	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 13:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 13:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 13:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 13:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 13:42	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 13:42	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 13:42	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 13:42	1
cis-1,2-Dichloroethene	**1.9**		1.0	0.81	ug/L			12/10/15 13:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 13:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 13:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 13:42	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 13:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 13:42	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 13:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 13:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 13:42	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 13:42	1
Vinyl chloride	**9.9**		1.0	0.90	ug/L			12/10/15 13:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/10/15 13:42*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*		*12/10/15 13:42*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/10/15 13:42*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*		*12/10/15 13:42*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-1S-120215

Date Collected: 12/02/15 13:59
Date Received: 12/04/15 09:00

Lab Sample ID: 480-92124-2

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/10/15 14:08	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/10/15 14:08	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/10/15 14:08	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/10/15 14:08	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/10/15 14:08	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/10/15 14:08	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/10/15 14:08	10
2-Hexanone	ND		50	12	ug/L			12/10/15 14:08	10
2-Butanone (MEK)	ND		100	13	ug/L			12/10/15 14:08	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/10/15 14:08	10
Acetone	ND		100	30	ug/L			12/10/15 14:08	10
Benzene	ND		10	4.1	ug/L			12/10/15 14:08	10
Bromodichloromethane	ND		10	3.9	ug/L			12/10/15 14:08	10
Bromoform	ND		10	2.6	ug/L			12/10/15 14:08	10
Bromomethane	ND		10	6.9	ug/L			12/10/15 14:08	10
Carbon disulfide	ND		10	1.9	ug/L			12/10/15 14:08	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/10/15 14:08	10
Chlorobenzene	ND		10	7.5	ug/L			12/10/15 14:08	10
Dibromochloromethane	ND		10	3.2	ug/L			12/10/15 14:08	10
Chloroethane	ND		10	3.2	ug/L			12/10/15 14:08	10
Chloroform	ND		10	3.4	ug/L			12/10/15 14:08	10
Chloromethane	ND		10	3.5	ug/L			12/10/15 14:08	10
cis-1,2-Dichloroethene	**54**		10	8.1	ug/L			12/10/15 14:08	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/10/15 14:08	10
Ethylbenzene	ND		10	7.4	ug/L			12/10/15 14:08	10
Methylene Chloride	ND		10	4.4	ug/L			12/10/15 14:08	10
Styrene	ND		10	7.3	ug/L			12/10/15 14:08	10
Tetrachloroethene	ND		10	3.6	ug/L			12/10/15 14:08	10
Toluene	ND		10	5.1	ug/L			12/10/15 14:08	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/10/15 14:08	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/10/15 14:08	10
Trichloroethene	ND		10	4.6	ug/L			12/10/15 14:08	10
Vinyl chloride	**140**		10	9.0	ug/L			12/10/15 14:08	10
Xylenes, Total	ND		20	6.6	ug/L			12/10/15 14:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*66 - 137*		*12/10/15 14:08*	*10*
Toluene-d8 (Surr)	*87*		*71 - 126*		*12/10/15 14:08*	*10*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*12/10/15 14:08*	*10*
Dibromofluoromethane (Surr)	*87*		*60 - 140*		*12/10/15 14:08*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-1P-120215

Lab Sample ID: 480-92124-3

Date Collected: 12/02/15 14:09
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 14:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 14:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 14:35	1
1,1-Dichloroethane	**2.3**		1.0	0.38	ug/L			12/10/15 14:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 14:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 14:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 14:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 14:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 14:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 14:35	1
Acetone	ND		10	3.0	ug/L			12/10/15 14:35	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 14:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 14:35	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 14:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 14:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 14:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 14:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 14:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 14:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 14:35	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 14:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 14:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 14:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 14:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 14:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 14:35	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 14:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 14:35	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 14:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 14:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 14:35	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 14:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 14:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*12/10/15 14:35*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*12/10/15 14:35*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/10/15 14:35*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/10/15 14:35*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-2P-120215

Lab Sample ID: 480-92124-4

Date Collected: 12/02/15 14:26
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 15:02	1
1,1-Dichloroethane	**5.2**		1.0	0.38	ug/L			12/10/15 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 15:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 15:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 15:02	1
Acetone	ND		10	3.0	ug/L			12/10/15 15:02	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 15:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 15:02	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 15:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 15:02	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 15:02	1
cis-1,2-Dichloroethene	**18**		1.0	0.81	ug/L			12/10/15 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 15:02	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 15:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 15:02	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 15:02	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 15:02	1
Vinyl chloride	**20**		1.0	0.90	ug/L			12/10/15 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/10/15 15:02*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*12/10/15 15:02*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/10/15 15:02*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/10/15 15:02*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-5S-120215

Lab Sample ID: 480-92124-5

Date Collected: 12/02/15 14:49
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 15:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 15:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 15:29	1
1,1-Dichloroethane	**3.0**		1.0	0.38	ug/L			12/10/15 15:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 15:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 15:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 15:29	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 15:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 15:29	1
Acetone	ND		10	3.0	ug/L			12/10/15 15:29	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 15:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 15:29	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 15:29	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 15:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 15:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 15:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 15:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 15:29	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 15:29	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 15:29	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 15:29	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			12/10/15 15:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 15:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 15:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 15:29	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 15:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 15:29	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 15:29	1
trans-1,2-Dichloroethene	**0.92**	**J**	1.0	0.90	ug/L			12/10/15 15:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 15:29	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 15:29	1
Vinyl chloride	**7.0**		1.0	0.90	ug/L			12/10/15 15:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*12/10/15 15:29*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*12/10/15 15:29*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/10/15 15:29*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/10/15 15:29*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-3S-120315

Lab Sample ID: 480-92124-6

Date Collected: 12/03/15 08:30
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 00:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 00:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 00:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 00:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 00:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 00:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 00:09	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 00:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 00:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 00:09	1
Acetone	ND		10	3.0	ug/L			12/11/15 00:09	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 00:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 00:09	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 00:09	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 00:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 00:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 00:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 00:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 00:09	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 00:09	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 00:09	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 00:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 00:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 00:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 00:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 00:09	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 00:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 00:09	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 00:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 00:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 00:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 00:09	1
Vinyl chloride	**0.96**	**J**	1.0	0.90	ug/L			12/11/15 00:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 00:09*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/11/15 00:09*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/11/15 00:09*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*		*12/11/15 00:09*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-3D-120315

Lab Sample ID: 480-92124-7

Date Collected: 12/03/15 08:40
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 00:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 00:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 00:36	1
1,1-Dichloroethane	**0.46**	**J**	1.0	0.38	ug/L			12/11/15 00:36	1
1,1-Dichloroethene	**0.59**	**J**	1.0	0.29	ug/L			12/11/15 00:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 00:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 00:36	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 00:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 00:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 00:36	1
Acetone	ND		10	3.0	ug/L			12/11/15 00:36	1
Benzene	**0.81**	**J**	1.0	0.41	ug/L			12/11/15 00:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 00:36	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 00:36	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 00:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 00:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 00:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 00:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 00:36	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 00:36	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 00:36	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 00:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 00:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 00:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 00:36	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 00:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 00:36	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 00:36	1
trans-1,2-Dichloroethene	**12**		1.0	0.90	ug/L			12/11/15 00:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 00:36	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			12/11/15 00:36	1
Vinyl chloride	**21**		1.0	0.90	ug/L			12/11/15 00:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 00:36*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 00:36*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/11/15 00:36*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/11/15 00:36*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**410**		10	8.1	ug/L			12/11/15 13:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 137*		*12/11/15 13:58*	*10*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/11/15 13:58*	*10*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/11/15 13:58*	*10*
Dibromofluoromethane (Surr)	*87*		*60 - 140*		*12/11/15 13:58*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AOC PST MW-2S-120315

Lab Sample ID: 480-92124-8

Date Collected: 12/03/15 08:58
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**17**		1.0	0.82	ug/L			12/11/15 01:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 01:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 01:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 01:02	1
1,1-Dichloroethene	**1.4**		1.0	0.29	ug/L			12/11/15 01:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 01:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 01:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 01:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 01:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 01:02	1
Acetone	ND		10	3.0	ug/L			12/11/15 01:02	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 01:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 01:02	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 01:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 01:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 01:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 01:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 01:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 01:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 01:02	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 01:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 01:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 01:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 01:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 01:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 01:02	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 01:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 01:02	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 01:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 01:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 01:02	1
Trichloroethene	**2.1**		1.0	0.46	ug/L			12/11/15 01:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 01:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 137*		*12/11/15 01:02*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*12/11/15 01:02*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/11/15 01:02*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*		*12/11/15 01:02*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-25P-120315

Lab Sample ID: 480-92124-9

Date Collected: 12/03/15 09:15

Matrix: Water

Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**360**		5.0	4.1	ug/L			12/11/15 01:29	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/11/15 01:29	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/11/15 01:29	5
1,1-Dichloroethane	**59**		5.0	1.9	ug/L			12/11/15 01:29	5
1,1-Dichloroethene	**42**		5.0	1.5	ug/L			12/11/15 01:29	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/11/15 01:29	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/11/15 01:29	5
2-Hexanone	ND		25	6.2	ug/L			12/11/15 01:29	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/11/15 01:29	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/11/15 01:29	5
Acetone	ND		50	15	ug/L			12/11/15 01:29	5
Benzene	ND		5.0	2.1	ug/L			12/11/15 01:29	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/11/15 01:29	5
Bromoform	ND		5.0	1.3	ug/L			12/11/15 01:29	5
Bromomethane	ND		5.0	3.5	ug/L			12/11/15 01:29	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/11/15 01:29	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/11/15 01:29	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/11/15 01:29	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/11/15 01:29	5
Chloroethane	ND		5.0	1.6	ug/L			12/11/15 01:29	5
Chloroform	ND		5.0	1.7	ug/L			12/11/15 01:29	5
Chloromethane	ND		5.0	1.8	ug/L			12/11/15 01:29	5
cis-1,2-Dichloroethene	**43**		5.0	4.1	ug/L			12/11/15 01:29	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/11/15 01:29	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/11/15 01:29	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/11/15 01:29	5
Styrene	ND		5.0	3.7	ug/L			12/11/15 01:29	5
Tetrachloroethene	**5.2**		5.0	1.8	ug/L			12/11/15 01:29	5
Toluene	ND		5.0	2.6	ug/L			12/11/15 01:29	5
trans-1,2-Dichloroethene	**5.2**		5.0	4.5	ug/L			12/11/15 01:29	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/11/15 01:29	5
Trichloroethene	**360**		5.0	2.3	ug/L			12/11/15 01:29	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/11/15 01:29	5
Xylenes, Total	ND		10	3.3	ug/L			12/11/15 01:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*12/11/15 01:29*	*5*
Toluene-d8 (Surr)	*93*		*71 - 126*		*12/11/15 01:29*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/11/15 01:29*	*5*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*12/11/15 01:29*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-21D-120315

Lab Sample ID: 480-92124-10

Date Collected: 12/03/15 09:30
Date Received: 12/04/15 09:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 01:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 01:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 01:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 01:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 01:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 01:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 01:56	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 01:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 01:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 01:56	1
Acetone	ND		10	3.0	ug/L			12/11/15 01:56	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 01:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 01:56	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 01:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 01:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 01:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 01:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 01:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 01:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 01:56	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 01:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 01:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 01:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 01:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 01:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 01:56	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 01:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 01:56	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 01:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 01:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 01:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 01:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 01:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*66 - 137*		*12/11/15 01:56*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/11/15 01:56*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*12/11/15 01:56*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*		*12/11/15 01:56*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-9S-120315

Lab Sample ID: 480-92124-11

Date Collected: 12/03/15 09:45
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 02:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 02:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 02:23	1
1,1-Dichloroethane	**0.44**	**J**	1.0	0.38	ug/L			12/11/15 02:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 02:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 02:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 02:23	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 02:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 02:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 02:23	1
Acetone	ND		10	3.0	ug/L			12/11/15 02:23	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 02:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 02:23	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 02:23	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 02:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 02:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 02:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 02:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 02:23	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 02:23	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 02:23	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 02:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 02:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 02:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 02:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 02:23	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 02:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 02:23	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 02:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 02:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 02:23	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 02:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 02:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/11/15 02:23*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*12/11/15 02:23*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/11/15 02:23*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*		*12/11/15 02:23*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: TMW-2S-120315

Lab Sample ID: 480-92124-12

Date Collected: 12/03/15 10:05
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 02:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 02:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 02:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 02:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 02:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 02:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 02:49	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 02:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 02:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 02:49	1
Acetone	ND		10	3.0	ug/L			12/11/15 02:49	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 02:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 02:49	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 02:49	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 02:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 02:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 02:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 02:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 02:49	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 02:49	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 02:49	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 02:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 02:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 02:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 02:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 02:49	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 02:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 02:49	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 02:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 02:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 02:49	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 02:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 02:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*66 - 137*		*12/11/15 02:49*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 02:49*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/11/15 02:49*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*		*12/11/15 02:49*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: TMW-2D-120315

Lab Sample ID: 480-92124-13

Date Collected: 12/03/15 10:10
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/11/15 03:16	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/11/15 03:16	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/11/15 03:16	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/11/15 03:16	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/11/15 03:16	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/11/15 03:16	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/11/15 03:16	5
2-Hexanone	ND		25	6.2	ug/L			12/11/15 03:16	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/11/15 03:16	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/11/15 03:16	5
Acetone	ND		50	15	ug/L			12/11/15 03:16	5
Benzene	**3.3**	**J**	5.0	2.1	ug/L			12/11/15 03:16	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/11/15 03:16	5
Bromoform	ND		5.0	1.3	ug/L			12/11/15 03:16	5
Bromomethane	ND		5.0	3.5	ug/L			12/11/15 03:16	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/11/15 03:16	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/11/15 03:16	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/11/15 03:16	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/11/15 03:16	5
Chloroethane	ND		5.0	1.6	ug/L			12/11/15 03:16	5
Chloroform	ND		5.0	1.7	ug/L			12/11/15 03:16	5
Chloromethane	ND		5.0	1.8	ug/L			12/11/15 03:16	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/11/15 03:16	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/11/15 03:16	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/11/15 03:16	5
Styrene	ND		5.0	3.7	ug/L			12/11/15 03:16	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/11/15 03:16	5
Toluene	ND		5.0	2.6	ug/L			12/11/15 03:16	5
trans-1,2-Dichloroethene	**170**		5.0	4.5	ug/L			12/11/15 03:16	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/11/15 03:16	5
Trichloroethene	**2.6**	**J**	5.0	2.3	ug/L			12/11/15 03:16	5
Vinyl chloride	**31**		5.0	4.5	ug/L			12/11/15 03:16	5
Xylenes, Total	ND		10	3.3	ug/L			12/11/15 03:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*66 - 137*		*12/11/15 03:16*	*5*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 03:16*	*5*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/11/15 03:16*	*5*
Dibromofluoromethane (Surr)	*89*		*60 - 140*		*12/11/15 03:16*	*5*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**740**		10	8.1	ug/L			12/11/15 14:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*66 - 137*		*12/11/15 14:25*	*10*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/11/15 14:25*	*10*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/11/15 14:25*	*10*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/11/15 14:25*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-24P-120315

Lab Sample ID: 480-92124-14

Date Collected: 12/03/15 10:20
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**350**	**F1**	10	8.2	ug/L			12/11/15 03:43	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/11/15 03:43	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/11/15 03:43	10
1,1-Dichloroethane	**110**		10	3.8	ug/L			12/11/15 03:43	10
1,1-Dichloroethene	**59**		10	2.9	ug/L			12/11/15 03:43	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/11/15 03:43	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/11/15 03:43	10
2-Hexanone	ND		50	12	ug/L			12/11/15 03:43	10
2-Butanone (MEK)	ND		100	13	ug/L			12/11/15 03:43	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/11/15 03:43	10
Acetone	ND		100	30	ug/L			12/11/15 03:43	10
Benzene	ND		10	4.1	ug/L			12/11/15 03:43	10
Bromodichloromethane	ND		10	3.9	ug/L			12/11/15 03:43	10
Bromoform	ND		10	2.6	ug/L			12/11/15 03:43	10
Bromomethane	ND	F2	10	6.9	ug/L			12/11/15 03:43	10
Carbon disulfide	ND		10	1.9	ug/L			12/11/15 03:43	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/11/15 03:43	10
Chlorobenzene	ND		10	7.5	ug/L			12/11/15 03:43	10
Dibromochloromethane	ND		10	3.2	ug/L			12/11/15 03:43	10
Chloroethane	ND		10	3.2	ug/L			12/11/15 03:43	10
Chloroform	ND		10	3.4	ug/L			12/11/15 03:43	10
Chloromethane	ND		10	3.5	ug/L			12/11/15 03:43	10
cis-1,2-Dichloroethene	**220**		10	8.1	ug/L			12/11/15 03:43	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/11/15 03:43	10
Ethylbenzene	ND		10	7.4	ug/L			12/11/15 03:43	10
Methylene Chloride	ND		10	4.4	ug/L			12/11/15 03:43	10
Styrene	ND		10	7.3	ug/L			12/11/15 03:43	10
Tetrachloroethene	**8.0**	**J**	10	3.6	ug/L			12/11/15 03:43	10
Toluene	ND		10	5.1	ug/L			12/11/15 03:43	10
trans-1,2-Dichloroethene	**110**		10	9.0	ug/L			12/11/15 03:43	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/11/15 03:43	10
Trichloroethene	**480**	**F1**	10	4.6	ug/L			12/11/15 03:43	10
Vinyl chloride	**36**		10	9.0	ug/L			12/11/15 03:43	10
Xylenes, Total	ND		20	6.6	ug/L			12/11/15 03:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*		*12/11/15 03:43*	*10*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/11/15 03:43*	*10*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*12/11/15 03:43*	*10*
Dibromofluoromethane (Surr)	*94*		*60 - 140*		*12/11/15 03:43*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-5D-120315

Lab Sample ID: 480-92124-15

Date Collected: 12/03/15 11:10
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			12/11/15 04:10	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/11/15 04:10	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/11/15 04:10	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			12/11/15 04:10	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/11/15 04:10	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/11/15 04:10	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/11/15 04:10	2
2-Hexanone	ND		10	2.5	ug/L			12/11/15 04:10	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/11/15 04:10	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/11/15 04:10	2
Acetone	ND		20	6.0	ug/L			12/11/15 04:10	2
Benzene	ND		2.0	0.82	ug/L			12/11/15 04:10	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/11/15 04:10	2
Bromoform	ND		2.0	0.52	ug/L			12/11/15 04:10	2
Bromomethane	ND		2.0	1.4	ug/L			12/11/15 04:10	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/11/15 04:10	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/11/15 04:10	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/11/15 04:10	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/11/15 04:10	2
Chloroethane	ND		2.0	0.64	ug/L			12/11/15 04:10	2
Chloroform	ND		2.0	0.68	ug/L			12/11/15 04:10	2
Chloromethane	ND		2.0	0.70	ug/L			12/11/15 04:10	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/11/15 04:10	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/11/15 04:10	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/11/15 04:10	2
Styrene	ND		2.0	1.5	ug/L			12/11/15 04:10	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/11/15 04:10	2
Toluene	ND		2.0	1.0	ug/L			12/11/15 04:10	2
trans-1,2-Dichloroethene	**6.0**		2.0	1.8	ug/L			12/11/15 04:10	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/11/15 04:10	2
Trichloroethene	ND		2.0	0.92	ug/L			12/11/15 04:10	2
Vinyl chloride	**19**		2.0	1.8	ug/L			12/11/15 04:10	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/11/15 04:10	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 04:10*	*2*
Toluene-d8 (Surr)	*91*		*71 - 126*		*12/11/15 04:10*	*2*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/11/15 04:10*	*2*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/11/15 04:10*	*2*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**290**		5.0	4.1	ug/L			12/11/15 14:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*66 - 137*		*12/11/15 14:52*	*5*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 14:52*	*5*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/11/15 14:52*	*5*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/11/15 14:52*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-7D-120315

Lab Sample ID: 480-92124-16

Date Collected: 12/03/15 11:41
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 04:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 04:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 04:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 04:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 04:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 04:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 04:37	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 04:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 04:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 04:37	1
Acetone	ND		10	3.0	ug/L			12/11/15 04:37	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 04:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 04:37	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 04:37	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 04:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 04:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 04:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 04:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 04:37	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 04:37	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 04:37	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 04:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 04:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 04:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 04:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 04:37	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 04:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 04:37	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 04:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 04:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 04:37	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 04:37	1
Vinyl chloride	**6.3**		1.0	0.90	ug/L			12/11/15 04:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*		*12/11/15 04:37*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/11/15 04:37*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/11/15 04:37*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*		*12/11/15 04:37*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-8S-120315

Lab Sample ID: 480-92124-17

Date Collected: 12/03/15 12:35
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 05:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 05:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 05:04	1
1,1-Dichloroethane	**9.5**		1.0	0.38	ug/L			12/11/15 05:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 05:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 05:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 05:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 05:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 05:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 05:04	1
Acetone	ND		10	3.0	ug/L			12/11/15 05:04	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 05:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 05:04	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 05:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 05:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 05:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 05:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 05:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 05:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 05:04	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 05:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 05:04	1
cis-1,2-Dichloroethene	**2.8**		1.0	0.81	ug/L			12/11/15 05:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 05:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 05:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 05:04	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 05:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 05:04	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 05:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 05:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 05:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 05:04	1
Vinyl chloride	**2.3**		1.0	0.90	ug/L			12/11/15 05:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*12/11/15 05:04*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*		*12/11/15 05:04*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/11/15 05:04*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*		*12/11/15 05:04*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-8D-120315

Lab Sample ID: 480-92124-18

Date Collected: 12/03/15 12:45
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 05:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 05:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 05:31	1
1,1-Dichloroethane	**0.42**	**J**	1.0	0.38	ug/L			12/11/15 05:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 05:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 05:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 05:31	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 05:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 05:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 05:31	1
Acetone	ND		10	3.0	ug/L			12/11/15 05:31	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 05:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 05:31	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 05:31	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 05:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 05:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 05:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 05:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 05:31	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 05:31	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 05:31	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 05:31	1
cis-1,2-Dichloroethene	**10**		1.0	0.81	ug/L			12/11/15 05:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 05:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 05:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 05:31	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 05:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 05:31	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 05:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 05:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 05:31	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 05:31	1
Vinyl chloride	**55**		1.0	0.90	ug/L			12/11/15 05:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*		*12/11/15 05:31*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*		*12/11/15 05:31*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*12/11/15 05:31*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*		*12/11/15 05:31*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-6S-120315

Lab Sample ID: 480-92124-19

Date Collected: 12/03/15 12:03
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 05:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 05:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 05:58	1
1,1-Dichloroethane	**0.88**	**J**	1.0	0.38	ug/L			12/11/15 05:58	1
1,1-Dichloroethene	**1.2**		1.0	0.29	ug/L			12/11/15 05:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 05:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 05:58	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 05:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 05:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 05:58	1
Acetone	ND		10	3.0	ug/L			12/11/15 05:58	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 05:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 05:58	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 05:58	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 05:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 05:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 05:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 05:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 05:58	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 05:58	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 05:58	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 05:58	1
cis-1,2-Dichloroethene	**9.7**		1.0	0.81	ug/L			12/11/15 05:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 05:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 05:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 05:58	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 05:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 05:58	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 05:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 05:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 05:58	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 05:58	1
Vinyl chloride	**2.7**		1.0	0.90	ug/L			12/11/15 05:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 05:58*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*12/11/15 05:58*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*12/11/15 05:58*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*		*12/11/15 05:58*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-6D-120315

Lab Sample ID: 480-92124-20

Date Collected: 12/03/15 12:15
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/11/15 06:25	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/11/15 06:25	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/11/15 06:25	5
1,1-Dichloroethane	**5.1**		5.0	1.9	ug/L			12/11/15 06:25	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/11/15 06:25	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/11/15 06:25	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/11/15 06:25	5
2-Hexanone	ND		25	6.2	ug/L			12/11/15 06:25	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/11/15 06:25	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/11/15 06:25	5
Acetone	ND		50	15	ug/L			12/11/15 06:25	5
Benzene	ND		5.0	2.1	ug/L			12/11/15 06:25	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/11/15 06:25	5
Bromoform	ND		5.0	1.3	ug/L			12/11/15 06:25	5
Bromomethane	ND		5.0	3.5	ug/L			12/11/15 06:25	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/11/15 06:25	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/11/15 06:25	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/11/15 06:25	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/11/15 06:25	5
Chloroethane	ND		5.0	1.6	ug/L			12/11/15 06:25	5
Chloroform	ND		5.0	1.7	ug/L			12/11/15 06:25	5
Chloromethane	ND		5.0	1.8	ug/L			12/11/15 06:25	5
cis-1,2-Dichloroethene	**26**		5.0	4.1	ug/L			12/11/15 06:25	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/11/15 06:25	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/11/15 06:25	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/11/15 06:25	5
Styrene	ND		5.0	3.7	ug/L			12/11/15 06:25	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/11/15 06:25	5
Toluene	ND		5.0	2.6	ug/L			12/11/15 06:25	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/11/15 06:25	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/11/15 06:25	5
Trichloroethene	ND		5.0	2.3	ug/L			12/11/15 06:25	5
Vinyl chloride	**240**		5.0	4.5	ug/L			12/11/15 06:25	5
Xylenes, Total	ND		10	3.3	ug/L			12/11/15 06:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 06:25*	*5*
Toluene-d8 (Surr)	*87*		*71 - 126*		*12/11/15 06:25*	*5*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/11/15 06:25*	*5*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/11/15 06:25*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: H-221 120315

Date Collected: 12/03/15 13:10
Date Received: 12/04/15 09:00

Lab Sample ID: 480-92124-21

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**18**		2.0	1.6	ug/L			12/11/15 06:52	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/11/15 06:52	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/11/15 06:52	2
1,1-Dichloroethane	**3.5**		2.0	0.76	ug/L			12/11/15 06:52	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/11/15 06:52	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/11/15 06:52	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/11/15 06:52	2
2-Hexanone	ND		10	2.5	ug/L			12/11/15 06:52	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/11/15 06:52	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/11/15 06:52	2
Acetone	ND		20	6.0	ug/L			12/11/15 06:52	2
Benzene	ND		2.0	0.82	ug/L			12/11/15 06:52	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/11/15 06:52	2
Bromoform	ND		2.0	0.52	ug/L			12/11/15 06:52	2
Bromomethane	ND		2.0	1.4	ug/L			12/11/15 06:52	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/11/15 06:52	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/11/15 06:52	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/11/15 06:52	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/11/15 06:52	2
Chloroethane	ND		2.0	0.64	ug/L			12/11/15 06:52	2
Chloroform	ND		2.0	0.68	ug/L			12/11/15 06:52	2
Chloromethane	ND		2.0	0.70	ug/L			12/11/15 06:52	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			12/11/15 06:52	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/11/15 06:52	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/11/15 06:52	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/11/15 06:52	2
Styrene	ND		2.0	1.5	ug/L			12/11/15 06:52	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/11/15 06:52	2
Toluene	ND		2.0	1.0	ug/L			12/11/15 06:52	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/11/15 06:52	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/11/15 06:52	2
Trichloroethene	**45**		2.0	0.92	ug/L			12/11/15 06:52	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/11/15 06:52	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/11/15 06:52	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 137*		*12/11/15 06:52*	*2*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 06:52*	*2*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*12/11/15 06:52*	*2*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*12/11/15 06:52*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-7P-120315

Lab Sample ID: 480-92124-22

Date Collected: 12/03/15 14:45
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/15 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/15 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/15 15:53	1
1,1-Dichloroethane	**1.5**		1.0	0.38	ug/L			12/13/15 15:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/15 15:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/15 15:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/15 15:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/15 15:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/15 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/15 15:53	1
Acetone	ND		10	3.0	ug/L			12/13/15 15:53	1
Benzene	ND		1.0	0.41	ug/L			12/13/15 15:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/15 15:53	1
Bromoform	ND		1.0	0.26	ug/L			12/13/15 15:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/15 15:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/15 15:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/15 15:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/15 15:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/15 15:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/15 15:53	1
Chloroform	ND		1.0	0.34	ug/L			12/13/15 15:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/15 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/15 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/15 15:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/15 15:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/15 15:53	1
Styrene	ND		1.0	0.73	ug/L			12/13/15 15:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/15 15:53	1
Toluene	ND		1.0	0.51	ug/L			12/13/15 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/15 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/15 15:53	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/15 15:53	1
Vinyl chloride	**2.7**		1.0	0.90	ug/L			12/13/15 15:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/15 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/13/15 15:53*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/13/15 15:53*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/13/15 15:53*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*		*12/13/15 15:53*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-7D-120315

Lab Sample ID: 480-92124-23

Date Collected: 12/03/15 14:20
Matrix: Water
Date Received: 12/04/15 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 15:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 15:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 15:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 15:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 15:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 15:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 15:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 15:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 15:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 15:46	1
Acetone	ND		10	3.0	ug/L			12/11/15 15:46	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 15:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 15:46	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 15:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 15:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 15:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 15:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 15:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 15:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 15:46	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 15:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 15:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 15:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 15:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 15:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 15:46	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 15:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 15:46	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 15:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 15:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 15:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 15:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 15:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 137*		*12/11/15 15:46*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 15:46*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/11/15 15:46*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*		*12/11/15 15:46*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: AF-7S-120315

Date Collected: 12/03/15 14:35
Date Received: 12/04/15 09:00

Lab Sample ID: 480-92124-24

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 16:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 16:12	1
1,1-Dichloroethane	**7.3**		1.0	0.38	ug/L			12/11/15 16:12	1
1,1-Dichloroethene	**2.0**		1.0	0.29	ug/L			12/11/15 16:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 16:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 16:12	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 16:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 16:12	1
Acetone	ND		10	3.0	ug/L			12/11/15 16:12	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 16:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 16:12	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 16:12	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 16:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 16:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 16:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 16:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 16:12	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 16:12	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 16:12	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 16:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 16:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 16:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 16:12	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 16:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 16:12	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 16:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 16:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 16:12	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 16:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 16:12*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*12/11/15 16:12*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/11/15 16:12*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/11/15 16:12*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**470**	**F1**	10	8.1	ug/L			12/13/15 16:19	10
Vinyl chloride	**480**	**F1**	10	9.0	ug/L			12/13/15 16:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/13/15 16:19*	*10*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/13/15 16:19*	*10*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*12/13/15 16:19*	*10*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*12/13/15 16:19*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: DUP-01-120315

Lab Sample ID: 480-92124-25

Date Collected: 12/03/15 12:00
Date Received: 12/04/15 09:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 16:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 16:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 16:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 16:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 16:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 16:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 16:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 16:39	1
Acetone	ND		10	3.0	ug/L			12/11/15 16:39	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 16:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 16:39	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 16:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 16:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 16:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 16:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 16:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 16:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 16:39	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 16:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 16:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 16:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 16:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 16:39	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 16:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 16:39	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 16:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 16:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 16:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 16:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 16:39*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 16:39*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*12/11/15 16:39*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/11/15 16:39*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-92124-26

Date Collected: 12/03/15 00:00
Date Received: 12/04/15 09:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 17:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 17:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 17:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 17:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 17:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 17:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 17:06	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 17:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 17:06	1
Acetone	ND		10	3.0	ug/L			12/11/15 17:06	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 17:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 17:06	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 17:06	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 17:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 17:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 17:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 17:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 17:06	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 17:06	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 17:06	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 17:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 17:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 17:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 17:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 17:06	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 17:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 17:06	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 17:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 17:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 17:06	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 17:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 17:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*66 - 137*		*12/11/15 17:06*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*12/11/15 17:06*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/11/15 17:06*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*		*12/11/15 17:06*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-92124-1	OSMW-1D-120215	94	87	90	86
480-92124-2	OSMW-1S-120215	89	87	87	87
480-92124-21	H-221 120315	90	90	88	93

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-92124-3	OSMW-1P-120215	93	93	91	91
480-92124-4	OSMW-2P-120215	94	91	93	92
480-92124-5	OSMW-5S-120215	93	91	94	92
480-92124-6	OSMW-3S-120315	91	89	90	88
480-92124-7	OSMW-3D-120315	91	90	92	91
480-92124-7 - DL	OSMW-3D-120315	87	89	93	87
480-92124-8	AOC PST MW-2S-120315	87	91	94	90
480-92124-9	AF-25P-120315	93	93	96	96
480-92124-10	AF-21D-120315	88	89	88	86
480-92124-11	AF-9S-120315	94	91	92	88
480-92124-12	TMW-2S-120315	89	90	92	86
480-92124-13	TMW-2D-120315	89	90	90	89
480-92124-13 - DL	TMW-2D-120315	89	89	90	91
480-92124-14	AF-24P-120315	92	89	88	94
480-92124-14 MS	AF-24P-120315	88	91	95	94
480-92124-14 MSD	AF-24P-120315	90	92	97	92
480-92124-15	OSMW-5D-120315	91	91	93	91
480-92124-15 - DL	OSMW-5D-120315	88	90	94	91
480-92124-16	OSMW-7D-120315	92	89	90	87
480-92124-17	OSMW-8S-120315	93	86	90	89
480-92124-18	OSMW-8D-120315	92	87	89	90
480-92124-19	OSMW-6S-120315	91	88	89	88
480-92124-20	OSMW-6D-120315	91	87	91	91
480-92124-22	AF-7P-120315	95	98	92	95
480-92124-23	AF-7D-120315	87	90	92	88
480-92124-23 MS	AF-7D-120315 MS	85	89	95	90
480-92124-23 MSD	AF-7D-120315 MSD	79	84	91	86
480-92124-24	AF-7S-120315	91	89	92	92
480-92124-24 - DL	AF-7S-120315	98	97	90	98
480-92124-24 MS	AF-7S-120315	99	96	96	105
480-92124-24 MSD	AF-7S-120315	94	94	95	98
480-92124-25	DUP-01-120315	91	90	94	91
480-92124-26	Trip Blank	85	90	91	86

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	**(66-137)**	**(71-126)**	**(73-120)**	**(60-140)**
LCS 480-279053/7	Lab Control Sample	91	93	96	96
LCS 480-279217/5	Lab Control Sample	91	93	96	94
LCS 480-279287/5	Lab Control Sample	86	90	92	89
LCS 480-279500/5	Lab Control Sample	95	97	98	98
MB 480-279053/6	Method Blank	95	94	92	90
MB 480-279217/7	Method Blank	94	91	91	92
MB 480-279287/7	Method Blank	91	88	89	91
MB 480-279500/7	Method Blank	96	97	93	93

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-279053/6
Matrix: Water
Analysis Batch: 279053

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 12:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 12:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 12:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 12:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 12:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 12:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 12:09	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 12:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 12:09	1
Acetone	ND		10	3.0	ug/L			12/10/15 12:09	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 12:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 12:09	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 12:09	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 12:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 12:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 12:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 12:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 12:09	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 12:09	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 12:09	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 12:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 12:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 12:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 12:09	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 12:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 12:09	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 12:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 12:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 12:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 12:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/10/15 12:09*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/10/15 12:09*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*12/10/15 12:09*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*		*12/10/15 12:09*	*1*

Lab Sample ID: LCS 480-279053/7
Matrix: Water
Analysis Batch: 279053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		89	70 - 126

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

Lab Sample ID: LCS 480-279053/7
Matrix: Water
Analysis Batch: 279053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	23.2		ug/L		93	71 - 129
1,1-Dichloroethene	25.0	23.1		ug/L		92	58 - 121
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 127
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120
2-Hexanone	125	107		ug/L		85	65 - 127
2-Butanone (MEK)	125	103		ug/L		82	57 - 140
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	22.8		ug/L		91	80 - 122
Bromoform	25.0	21.7		ug/L		87	52 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134
Carbon tetrachloride	25.0	24.1		ug/L		96	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	72 - 120
Dibromochloromethane	25.0	23.0		ug/L		92	75 - 125
Chloroethane	25.0	24.1		ug/L		97	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	23.5		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Ethylbenzene	25.0	22.9		ug/L		91	77 - 123
Methylene Chloride	25.0	25.1		ug/L		100	57 - 132
Styrene	25.0	23.3		ug/L		93	70 - 130
Tetrachloroethene	25.0	22.6		ug/L		90	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	73 - 127
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	72 - 123
Trichloroethene	25.0	23.2		ug/L		93	74 - 123
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*
Toluene-d8 (Surr)	*93*		*71 - 126*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*60 - 140*

Lab Sample ID: MB 480-279217/7
Matrix: Water
Analysis Batch: 279217

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/15 23:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/15 23:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/15 23:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/15 23:11	1

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

Lab Sample ID: MB 480-279217/7
Matrix: Water
Analysis Batch: 279217

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/15 23:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/15 23:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/15 23:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/15 23:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/15 23:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/15 23:11	1
Acetone	ND		10	3.0	ug/L			12/10/15 23:11	1
Benzene	ND		1.0	0.41	ug/L			12/10/15 23:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/15 23:11	1
Bromoform	ND		1.0	0.26	ug/L			12/10/15 23:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/15 23:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/15 23:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/15 23:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/15 23:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/15 23:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/15 23:11	1
Chloroform	ND		1.0	0.34	ug/L			12/10/15 23:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/15 23:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/15 23:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/15 23:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/15 23:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/15 23:11	1
Styrene	ND		1.0	0.73	ug/L			12/10/15 23:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/15 23:11	1
Toluene	ND		1.0	0.51	ug/L			12/10/15 23:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/15 23:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/15 23:11	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/15 23:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/15 23:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/15 23:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/10/15 23:11*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*12/10/15 23:11*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/10/15 23:11*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*		*12/10/15 23:11*	*1*

Lab Sample ID: LCS 480-279217/5
Matrix: Water
Analysis Batch: 279217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.7		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.6		ug/L		91	70 - 126
1,1,2-Trichloroethane	25.0	23.1		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	21.9		ug/L		88	71 - 129
1,1-Dichloroethene	25.0	21.5		ug/L		86	58 - 121
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 127

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

Lab Sample ID: LCS 480-279217/5
Matrix: Water
Analysis Batch: 279217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	21.8		ug/L		87	76 - 120
2-Hexanone	125	105		ug/L		84	65 - 127
2-Butanone (MEK)	125	98.4		ug/L		79	57 - 140
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	22.1		ug/L		88	71 - 124
Bromodichloromethane	25.0	21.4		ug/L		86	80 - 122
Bromoform	25.0	20.1		ug/L		81	52 - 132
Bromomethane	25.0	21.1		ug/L		84	55 - 144
Carbon disulfide	25.0	21.1		ug/L		84	59 - 134
Carbon tetrachloride	25.0	20.9		ug/L		84	72 - 134
Chlorobenzene	25.0	22.0		ug/L		88	72 - 120
Dibromochloromethane	25.0	22.2		ug/L		89	75 - 125
Chloroethane	25.0	21.9		ug/L		88	69 - 136
Chloroform	25.0	24.1		ug/L		97	73 - 127
Chloromethane	25.0	20.1		ug/L		80	68 - 124
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	22.4		ug/L		90	74 - 124
Ethylbenzene	25.0	21.4		ug/L		86	77 - 123
Methylene Chloride	25.0	25.5		ug/L		102	57 - 132
Styrene	25.0	21.8		ug/L		87	70 - 130
Tetrachloroethene	25.0	20.2		ug/L		81	74 - 122
Toluene	25.0	21.7		ug/L		87	80 - 122
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	73 - 127
trans-1,3-Dichloropropene	25.0	21.9		ug/L		88	72 - 123
Trichloroethene	25.0	20.9		ug/L		84	74 - 123
Vinyl chloride	25.0	19.4		ug/L		78	65 - 133
Xylenes, Total	50.0	44.6		ug/L		89	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*
Toluene-d8 (Surr)	*93*		*71 - 126*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*60 - 140*

Lab Sample ID: 480-92124-14 MS
Matrix: Water
Analysis Batch: 279217

Client Sample ID: AF-24P-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	350	F1	250	558		ug/L		82	73 - 126
1,1,2,2-Tetrachloroethane	ND		250	226		ug/L		90	70 - 126
1,1,2-Trichloroethane	ND		250	236		ug/L		94	76 - 122
1,1-Dichloroethane	110		250	333		ug/L		87	71 - 129
1,1-Dichloroethene	59		250	297		ug/L		95	58 - 121
1,2-Dichloroethane	ND		250	239		ug/L		95	75 - 127
1,2-Dichloropropane	ND		250	231		ug/L		92	76 - 120
2-Hexanone	ND		1250	1010		ug/L		81	65 - 127

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

Lab Sample ID: 480-92124-14 MS
Matrix: Water
Analysis Batch: 279217

Client Sample ID: AF-24P-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	ND		1250	1090		ug/L		87	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		1250	1000		ug/L		80	71 - 125
Acetone	ND		1250	1310		ug/L		105	56 - 142
Benzene	ND		250	245		ug/L		98	71 - 124
Bromodichloromethane	ND		250	220		ug/L		88	80 - 122
Bromoform	ND		250	178		ug/L		71	52 - 132
Bromomethane	ND	F2	250	230		ug/L		92	55 - 144
Carbon disulfide	ND		250	222		ug/L		89	59 - 134
Carbon tetrachloride	ND		250	239		ug/L		95	72 - 134
Chlorobenzene	ND		250	228		ug/L		91	72 - 120
Dibromochloromethane	ND		250	209		ug/L		83	75 - 125
Chloroethane	ND		250	237		ug/L		95	69 - 136
Chloroform	ND		250	266		ug/L		106	73 - 127
Chloromethane	ND		250	214		ug/L		86	68 - 124
cis-1,2-Dichloroethene	220		250	470		ug/L		99	74 - 124
cis-1,3-Dichloropropene	ND		250	216		ug/L		86	74 - 124
Ethylbenzene	ND		250	227		ug/L		91	77 - 123
Methylene Chloride	ND		250	269		ug/L		108	57 - 132
Styrene	ND		250	225		ug/L		90	70 - 130
Tetrachloroethene	8.0	J	250	230		ug/L		89	74 - 122
Toluene	ND		250	225		ug/L		90	80 - 122
trans-1,2-Dichloroethene	110		250	325		ug/L		87	73 - 127
trans-1,3-Dichloropropene	ND		250	209		ug/L		84	72 - 123
Trichloroethene	480	F1	250	647	F1	ug/L		66	74 - 123
Vinyl chloride	36		250	243		ug/L		82	65 - 133
Xylenes, Total	ND		500	468		ug/L		94	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*66 - 137*
Toluene-d8 (Surr)	*91*		*71 - 126*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*60 - 140*

Lab Sample ID: 480-92124-14 MSD
Matrix: Water
Analysis Batch: 279217

Client Sample ID: AF-24P-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	350	F1	250	497	F1	ug/L		58	73 - 126	11	15
1,1,2,2-Tetrachloroethane	ND		250	224		ug/L		90	70 - 126	1	15
1,1,2-Trichloroethane	ND		250	236		ug/L		94	76 - 122	0	15
1,1-Dichloroethane	110		250	321		ug/L		83	71 - 129	4	20
1,1-Dichloroethene	59		250	288		ug/L		91	58 - 121	3	16
1,2-Dichloroethane	ND		250	232		ug/L		93	75 - 127	3	20
1,2-Dichloropropane	ND		250	222		ug/L		89	76 - 120	4	20
2-Hexanone	ND		1250	1100		ug/L		88	65 - 127	9	15
2-Butanone (MEK)	ND		1250	1080		ug/L		86	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		1250	1040		ug/L		84	71 - 125	4	35

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

Lab Sample ID: 480-92124-14 MSD
Matrix: Water
Analysis Batch: 279217

Client Sample ID: AF-24P-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		1250	1410		ug/L		112	56 - 142	7	15
Benzene	ND		250	229		ug/L		92	71 - 124	7	13
Bromodichloromethane	ND		250	217		ug/L		87	80 - 122	1	15
Bromoform	ND		250	191		ug/L		76	52 - 132	7	15
Bromomethane	ND	F2	250	184	F2	ug/L		74	55 - 144	22	15
Carbon disulfide	ND		250	201		ug/L		80	59 - 134	10	15
Carbon tetrachloride	ND		250	224		ug/L		89	72 - 134	7	15
Chlorobenzene	ND		250	229		ug/L		92	72 - 120	0	25
Dibromochloromethane	ND		250	215		ug/L		86	75 - 125	3	15
Chloroethane	ND		250	204		ug/L		82	69 - 136	15	15
Chloroform	ND		250	249		ug/L		100	73 - 127	6	20
Chloromethane	ND		250	205		ug/L		82	68 - 124	4	15
cis-1,2-Dichloroethene	220		250	444		ug/L		88	74 - 124	6	15
cis-1,3-Dichloropropene	ND		250	216		ug/L		86	74 - 124	0	15
Ethylbenzene	ND		250	220		ug/L		88	77 - 123	4	15
Methylene Chloride	ND		250	257		ug/L		103	57 - 132	5	15
Styrene	ND		250	223		ug/L		89	70 - 130	1	20
Tetrachloroethene	8.0	J	250	219		ug/L		85	74 - 122	5	20
Toluene	ND		250	223		ug/L		89	80 - 122	1	15
trans-1,2-Dichloroethene	110		250	310		ug/L		81	73 - 127	5	20
trans-1,3-Dichloropropene	ND		250	213		ug/L		85	72 - 123	2	15
Trichloroethene	480	F1	250	606	F1	ug/L		50	74 - 123	6	16
Vinyl chloride	36		250	234		ug/L		79	65 - 133	3	15
Xylenes, Total	ND		500	451		ug/L		90	76 - 122	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 137*
Toluene-d8 (Surr)	*92*		*71 - 126*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*60 - 140*

Lab Sample ID: MB 480-279287/7
Matrix: Water
Analysis Batch: 279287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/11/15 12:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/11/15 12:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/11/15 12:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/11/15 12:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/11/15 12:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/11/15 12:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/11/15 12:00	1
2-Hexanone	ND		5.0	1.2	ug/L			12/11/15 12:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/11/15 12:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/11/15 12:00	1
Acetone	ND		10	3.0	ug/L			12/11/15 12:00	1
Benzene	ND		1.0	0.41	ug/L			12/11/15 12:00	1

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

Lab Sample ID: MB 480-279287/7
Matrix: Water
Analysis Batch: 279287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/11/15 12:00	1
Bromoform	ND		1.0	0.26	ug/L			12/11/15 12:00	1
Bromomethane	ND		1.0	0.69	ug/L			12/11/15 12:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/11/15 12:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/11/15 12:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/11/15 12:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/11/15 12:00	1
Chloroethane	ND		1.0	0.32	ug/L			12/11/15 12:00	1
Chloroform	ND		1.0	0.34	ug/L			12/11/15 12:00	1
Chloromethane	ND		1.0	0.35	ug/L			12/11/15 12:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/11/15 12:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/11/15 12:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/11/15 12:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/11/15 12:00	1
Styrene	ND		1.0	0.73	ug/L			12/11/15 12:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/11/15 12:00	1
Toluene	ND		1.0	0.51	ug/L			12/11/15 12:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/11/15 12:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/11/15 12:00	1
Trichloroethene	ND		1.0	0.46	ug/L			12/11/15 12:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/11/15 12:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/11/15 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*		*12/11/15 12:00*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*12/11/15 12:00*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*12/11/15 12:00*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*		*12/11/15 12:00*	*1*

Lab Sample ID: LCS 480-279287/5
Matrix: Water
Analysis Batch: 279287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.5		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	70 - 126
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	22.8		ug/L		91	71 - 129
1,1-Dichloroethene	25.0	23.6		ug/L		95	58 - 121
1,2-Dichloroethane	25.0	23.3		ug/L		93	75 - 127
1,2-Dichloropropane	25.0	22.6		ug/L		90	76 - 120
2-Hexanone	125	110		ug/L		88	65 - 127
2-Butanone (MEK)	125	109		ug/L		87	57 - 140
4-Methyl-2-pentanone (MIBK)	125	106		ug/L		85	71 - 125
Acetone	125	157		ug/L		125	56 - 142
Benzene	25.0	23.1		ug/L		92	71 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Bromoform	25.0	22.1		ug/L		88	52 - 132

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

Lab Sample ID: LCS 480-279287/5
Matrix: Water
Analysis Batch: 279287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	19.6		ug/L		78	55 - 144
Carbon disulfide	25.0	22.3		ug/L		89	59 - 134
Carbon tetrachloride	25.0	22.7		ug/L		91	72 - 134
Chlorobenzene	25.0	22.6		ug/L		90	72 - 120
Dibromochloromethane	25.0	23.4		ug/L		94	75 - 125
Chloroethane	25.0	19.5		ug/L		78	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	18.9		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		94	74 - 124
Ethylbenzene	25.0	22.3		ug/L		89	77 - 123
Methylene Chloride	25.0	25.8		ug/L		103	57 - 132
Styrene	25.0	22.8		ug/L		91	70 - 130
Tetrachloroethene	25.0	21.8		ug/L		87	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	73 - 127
trans-1,3-Dichloropropene	25.0	22.8		ug/L		91	72 - 123
Trichloroethene	25.0	22.7		ug/L		91	74 - 123
Vinyl chloride	25.0	19.0		ug/L		76	65 - 133
Xylenes, Total	50.0	45.9		ug/L		92	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*66 - 137*
Toluene-d8 (Surr)	*90*		*71 - 126*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*60 - 140*

Lab Sample ID: 480-92124-23 MS
Matrix: Water
Analysis Batch: 279287

Client Sample ID: AF-7D-120315 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	24.0		ug/L		96	70 - 126
1,1,2-Trichloroethane	ND		25.0	24.9		ug/L		99	76 - 122
1,1-Dichloroethane	ND		25.0	24.4		ug/L		97	71 - 129
1,1-Dichloroethene	ND		25.0	25.2		ug/L		101	58 - 121
1,2-Dichloroethane	ND		25.0	24.1		ug/L		97	75 - 127
1,2-Dichloropropane	ND		25.0	24.0		ug/L		96	76 - 120
2-Hexanone	ND		125	112		ug/L		89	65 - 127
2-Butanone (MEK)	ND		125	116		ug/L		93	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	110		ug/L		88	71 - 125
Acetone	ND		125	164		ug/L		131	56 - 142
Benzene	ND		25.0	25.1		ug/L		100	71 - 124
Bromodichloromethane	ND		25.0	22.7		ug/L		91	80 - 122
Bromoform	ND		25.0	17.6		ug/L		71	52 - 132
Bromomethane	ND		25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	ND		25.0	23.2		ug/L		93	59 - 134

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

Lab Sample ID: 480-92124-23 MS
Matrix: Water
Analysis Batch: 279287

Client Sample ID: AF-7D-120315 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	ND		25.0	24.2		ug/L		97	72 - 134
Chlorobenzene	ND		25.0	23.9		ug/L		96	72 - 120
Dibromochloromethane	ND		25.0	21.5		ug/L		86	75 - 125
Chloroethane	ND		25.0	28.0		ug/L		112	69 - 136
Chloroform	ND		25.0	26.4		ug/L		105	73 - 127
Chloromethane	ND		25.0	18.7		ug/L		75	68 - 124
cis-1,2-Dichloroethene	ND		25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	ND		25.0	21.9		ug/L		88	74 - 124
Ethylbenzene	ND		25.0	24.2		ug/L		97	77 - 123
Methylene Chloride	ND		25.0	27.8		ug/L		111	57 - 132
Styrene	ND		25.0	23.8		ug/L		95	70 - 130
Tetrachloroethene	ND		25.0	23.7		ug/L		95	74 - 122
Toluene	ND		25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	ND		25.0	24.9		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		25.0	21.3		ug/L		85	72 - 123
Trichloroethene	ND		25.0	24.5		ug/L		98	74 - 123
Vinyl chloride	ND		25.0	23.3		ug/L		93	65 - 133
Xylenes, Total	ND		50.0	49.1		ug/L		98	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*66 - 137*
Toluene-d8 (Surr)	*89*		*71 - 126*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*90*		*60 - 140*

Lab Sample ID: 480-92124-23 MSD
Matrix: Water
Analysis Batch: 279287

Client Sample ID: AF-7D-120315 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	26.9		ug/L		108	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.1		ug/L		100	70 - 126	4	15
1,1,2-Trichloroethane	ND		25.0	24.6		ug/L		98	76 - 122	1	15
1,1-Dichloroethane	ND		25.0	25.0		ug/L		100	71 - 129	3	20
1,1-Dichloroethene	ND		25.0	27.1		ug/L		108	58 - 121	7	16
1,2-Dichloroethane	ND		25.0	24.7		ug/L		99	75 - 127	2	20
1,2-Dichloropropane	ND		25.0	24.2		ug/L		97	76 - 120	1	20
2-Hexanone	ND		125	120		ug/L		96	65 - 127	7	15
2-Butanone (MEK)	ND		125	118		ug/L		94	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	114		ug/L		91	71 - 125	3	35
Acetone	ND		125	165		ug/L		132	56 - 142	1	15
Benzene	ND		25.0	25.4		ug/L		102	71 - 124	1	13
Bromodichloromethane	ND		25.0	23.1		ug/L		93	80 - 122	2	15
Bromoform	ND		25.0	19.6		ug/L		78	52 - 132	11	15
Bromomethane	ND		25.0	23.4		ug/L		93	55 - 144	2	15
Carbon disulfide	ND		25.0	23.7		ug/L		95	59 - 134	2	15
Carbon tetrachloride	ND		25.0	23.8		ug/L		95	72 - 134	1	15
Chlorobenzene	ND		25.0	25.1		ug/L		100	72 - 120	5	25

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

Lab Sample ID: 480-92124-23 MSD
Matrix: Water
Analysis Batch: 279287

Client Sample ID: AF-7D-120315 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromochloromethane	ND		25.0	22.9		ug/L		92	75 - 125	6	15
Chloroethane	ND		25.0	28.7		ug/L		115	69 - 136	3	15
Chloroform	ND		25.0	27.3		ug/L		109	73 - 127	3	20
Chloromethane	ND		25.0	20.4		ug/L		81	68 - 124	9	15
cis-1,2-Dichloroethene	ND		25.0	27.7		ug/L		111	74 - 124	2	15
cis-1,3-Dichloropropene	ND		25.0	22.8		ug/L		91	74 - 124	4	15
Ethylbenzene	ND		25.0	25.1		ug/L		100	77 - 123	4	15
Methylene Chloride	ND		25.0	27.5		ug/L		110	57 - 132	1	15
Styrene	ND		25.0	24.8		ug/L		99	70 - 130	4	20
Tetrachloroethene	ND		25.0	24.6		ug/L		98	74 - 122	4	20
Toluene	ND		25.0	24.8		ug/L		99	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	25.3		ug/L		101	73 - 127	1	20
trans-1,3-Dichloropropene	ND		25.0	22.2		ug/L		89	72 - 123	4	15
Trichloroethene	ND		25.0	25.1		ug/L		100	74 - 123	2	16
Vinyl chloride	ND		25.0	24.5		ug/L		98	65 - 133	5	15
Xylenes, Total	ND		50.0	50.1		ug/L		100	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*66 - 137*
Toluene-d8 (Surr)	*84*		*71 - 126*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*
Dibromofluoromethane (Surr)	*86*		*60 - 140*

Lab Sample ID: MB 480-279500/7
Matrix: Water
Analysis Batch: 279500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/15 11:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/15 11:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/15 11:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/15 11:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/15 11:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/15 11:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/15 11:15	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/15 11:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/15 11:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/15 11:15	1
Acetone	ND		10	3.0	ug/L			12/13/15 11:15	1
Benzene	ND		1.0	0.41	ug/L			12/13/15 11:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/15 11:15	1
Bromoform	ND		1.0	0.26	ug/L			12/13/15 11:15	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/15 11:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/15 11:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/15 11:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/15 11:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/15 11:15	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/15 11:15	1

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

Lab Sample ID: MB 480-279500/7
Matrix: Water
Analysis Batch: 279500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			12/13/15 11:15	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/15 11:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/15 11:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/15 11:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/15 11:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/15 11:15	1
Styrene	ND		1.0	0.73	ug/L			12/13/15 11:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/15 11:15	1
Toluene	ND		1.0	0.51	ug/L			12/13/15 11:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/15 11:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/15 11:15	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/15 11:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/15 11:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/15 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/13/15 11:15*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/13/15 11:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*12/13/15 11:15*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*12/13/15 11:15*	*1*

Lab Sample ID: LCS 480-279500/5
Matrix: Water
Analysis Batch: 279500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.9		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	70 - 126
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	22.0		ug/L		88	71 - 129
1,1-Dichloroethene	25.0	21.9		ug/L		88	58 - 121
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 127
1,2-Dichloropropane	25.0	21.9		ug/L		88	76 - 120
2-Hexanone	125	102		ug/L		81	65 - 127
2-Butanone (MEK)	125	100		ug/L		80	57 - 140
4-Methyl-2-pentanone (MIBK)	125	107		ug/L		86	71 - 125
Acetone	125	126		ug/L		100	56 - 142
Benzene	25.0	22.4		ug/L		90	71 - 124
Bromodichloromethane	25.0	21.6		ug/L		86	80 - 122
Bromoform	25.0	20.2		ug/L		81	52 - 132
Bromomethane	25.0	23.6		ug/L		95	55 - 144
Carbon disulfide	25.0	21.1		ug/L		84	59 - 134
Carbon tetrachloride	25.0	22.3		ug/L		89	72 - 134
Chlorobenzene	25.0	22.6		ug/L		90	72 - 120
Dibromochloromethane	25.0	22.4		ug/L		90	75 - 125
Chloroethane	25.0	25.2		ug/L		101	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	23.2		ug/L		93	68 - 124

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

Lab Sample ID: LCS 480-279500/5
Matrix: Water
Analysis Batch: 279500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	23.2		ug/L		93	74 - 124
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123
Methylene Chloride	25.0	24.5		ug/L		98	57 - 132
Styrene	25.0	22.3		ug/L		89	70 - 130
Tetrachloroethene	25.0	21.5		ug/L		86	74 - 122
Toluene	25.0	22.4		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	22.1		ug/L		88	73 - 127
trans-1,3-Dichloropropene	25.0	23.0		ug/L		92	72 - 123
Trichloroethene	25.0	22.0		ug/L		88	74 - 123
Vinyl chloride	25.0	23.1		ug/L		93	65 - 133
Xylenes, Total	50.0	45.7		ug/L		91	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Lab Sample ID: 480-92124-24 MS
Matrix: Water
Analysis Batch: 279500

Client Sample ID: AF-7S-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		250	240		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	ND		250	227		ug/L		91	70 - 126
1,1,2-Trichloroethane	ND		250	232		ug/L		93	76 - 122
1,1-Dichloroethane	ND		250	239		ug/L		96	71 - 129
1,1-Dichloroethene	ND		250	247		ug/L		99	58 - 121
1,2-Dichloroethane	ND		250	240		ug/L		96	75 - 127
1,2-Dichloropropane	ND		250	226		ug/L		90	76 - 120
2-Hexanone	ND		1250	1080		ug/L		87	65 - 127
2-Butanone (MEK)	ND		1250	1100		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		1250	1030		ug/L		82	71 - 125
Acetone	ND		1250	1600		ug/L		128	56 - 142
Benzene	ND		250	238		ug/L		95	71 - 124
Bromodichloromethane	ND		250	208		ug/L		83	80 - 122
Bromoform	ND		250	167		ug/L		67	52 - 132
Bromomethane	ND		250	235		ug/L		94	55 - 144
Carbon disulfide	ND		250	188		ug/L		75	59 - 134
Carbon tetrachloride	ND		250	218		ug/L		87	72 - 134
Chlorobenzene	ND		250	224		ug/L		90	72 - 120
Dibromochloromethane	ND		250	196		ug/L		79	75 - 125
Chloroethane	ND		250	242		ug/L		97	69 - 136
Chloroform	ND		250	255		ug/L		102	73 - 127
Chloromethane	ND		250	243		ug/L		97	68 - 124
cis-1,2-Dichloroethene	470	F1	250	644	F1	ug/L		71	74 - 124
cis-1,3-Dichloropropene	ND		250	217		ug/L		87	74 - 124

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

Lab Sample ID: 480-92124-24 MS
Matrix: Water
Analysis Batch: 279500

Client Sample ID: AF-7S-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		250	218		ug/L		87	77 - 123
Methylene Chloride	ND		250	267		ug/L		107	57 - 132
Styrene	ND		250	226		ug/L		91	70 - 130
Tetrachloroethene	ND		250	210		ug/L		84	74 - 122
Toluene	ND		250	222		ug/L		89	80 - 122
trans-1,2-Dichloroethene	ND		250	231		ug/L		92	73 - 127
trans-1,3-Dichloropropene	ND		250	205		ug/L		82	72 - 123
Trichloroethene	ND		250	230		ug/L		92	74 - 123
Vinyl chloride	480	F1	250	607	F1	ug/L		51	65 - 133
Xylenes, Total	ND		500	450		ug/L		90	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

Lab Sample ID: 480-92124-24 MSD
Matrix: Water
Analysis Batch: 279500

Client Sample ID: AF-7S-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		250	239		ug/L		96	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		250	239		ug/L		96	70 - 126	5	15
1,1,2-Trichloroethane	ND		250	245		ug/L		98	76 - 122	5	15
1,1-Dichloroethane	ND		250	239		ug/L		96	71 - 129	0	20
1,1-Dichloroethene	ND		250	250		ug/L		100	58 - 121	1	16
1,2-Dichloroethane	ND		250	239		ug/L		95	75 - 127	1	20
1,2-Dichloropropane	ND		250	229		ug/L		92	76 - 120	2	20
2-Hexanone	ND		1250	1100		ug/L		88	65 - 127	2	15
2-Butanone (MEK)	ND		1250	1100		ug/L		88	57 - 140	0	20
4-Methyl-2-pentanone (MIBK)	ND		1250	1080		ug/L		86	71 - 125	5	35
Acetone	ND		1250	1470		ug/L		117	56 - 142	8	15
Benzene	ND		250	241		ug/L		96	71 - 124	1	13
Bromodichloromethane	ND		250	216		ug/L		86	80 - 122	4	15
Bromoform	ND		250	179		ug/L		71	52 - 132	7	15
Bromomethane	ND		250	233		ug/L		93	55 - 144	1	15
Carbon disulfide	ND		250	199		ug/L		80	59 - 134	6	15
Carbon tetrachloride	ND		250	230		ug/L		92	72 - 134	5	15
Chlorobenzene	ND		250	233		ug/L		93	72 - 120	4	25
Dibromochloromethane	ND		250	206		ug/L		82	75 - 125	5	15
Chloroethane	ND		250	234		ug/L		93	69 - 136	4	15
Chloroform	ND		250	255		ug/L		102	73 - 127	0	20
Chloromethane	ND		250	248		ug/L		99	68 - 124	2	15
cis-1,2-Dichloroethene	470	F1	250	642	F1	ug/L		70	74 - 124	0	15
cis-1,3-Dichloropropene	ND		250	214		ug/L		86	74 - 124	1	15
Ethylbenzene	ND		250	227		ug/L		91	77 - 123	4	15
Methylene Chloride	ND		250	259		ug/L		104	57 - 132	3	15

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

Lab Sample ID: 480-92124-24 MSD
Matrix: Water
Analysis Batch: 279500

Client Sample ID: AF-7S-120315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND		250	232		ug/L		93	70 - 130	3	20
Tetrachloroethene	ND		250	218		ug/L		87	74 - 122	4	20
Toluene	ND		250	230		ug/L		92	80 - 122	4	15
trans-1,2-Dichloroethene	ND		250	233		ug/L		93	73 - 127	1	20
trans-1,3-Dichloropropene	ND		250	216		ug/L		86	72 - 123	5	15
Trichloroethene	ND		250	232		ug/L		93	74 - 123	1	16
Vinyl chloride	480	F1	250	627	F1	ug/L		59	65 - 133	3	15
Xylenes, Total	ND		500	465		ug/L		93	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*
Toluene-d8 (Surr)	*94*		*71 - 126*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

GC/MS VOA

Analysis Batch: 279053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92124-1	OSMW-1D-120215	Total/NA	Ground Water	8260C	
480-92124-2	OSMW-1S-120215	Total/NA	Ground Water	8260C	
480-92124-3	OSMW-1P-120215	Total/NA	Water	8260C	
480-92124-4	OSMW-2P-120215	Total/NA	Water	8260C	
480-92124-5	OSMW-5S-120215	Total/NA	Water	8260C	
LCS 480-279053/7	Lab Control Sample	Total/NA	Water	8260C	
MB 480-279053/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 279217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92124-6	OSMW-3S-120315	Total/NA	Water	8260C	
480-92124-7	OSMW-3D-120315	Total/NA	Water	8260C	
480-92124-8	AOC PST MW-2S-120315	Total/NA	Water	8260C	
480-92124-9	AF-25P-120315	Total/NA	Water	8260C	
480-92124-10	AF-21D-120315	Total/NA	Water	8260C	
480-92124-11	AF-9S-120315	Total/NA	Water	8260C	
480-92124-12	TMW-2S-120315	Total/NA	Water	8260C	
480-92124-13	TMW-2D-120315	Total/NA	Water	8260C	
480-92124-14	AF-24P-120315	Total/NA	Water	8260C	
480-92124-14 MS	AF-24P-120315	Total/NA	Water	8260C	
480-92124-14 MSD	AF-24P-120315	Total/NA	Water	8260C	
480-92124-15	OSMW-5D-120315	Total/NA	Water	8260C	
480-92124-16	OSMW-7D-120315	Total/NA	Water	8260C	
480-92124-17	OSMW-8S-120315	Total/NA	Water	8260C	
480-92124-18	OSMW-8D-120315	Total/NA	Water	8260C	
480-92124-19	OSMW-6S-120315	Total/NA	Water	8260C	
480-92124-20	OSMW-6D-120315	Total/NA	Water	8260C	
480-92124-21	H-221 120315	Total/NA	Ground Water	8260C	
LCS 480-279217/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-279217/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 279287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92124-7 - DL	OSMW-3D-120315	Total/NA	Water	8260C	
480-92124-13 - DL	TMW-2D-120315	Total/NA	Water	8260C	
480-92124-15 - DL	OSMW-5D-120315	Total/NA	Water	8260C	
480-92124-23	AF-7D-120315	Total/NA	Water	8260C	
480-92124-23 MS	AF-7D-120315 MS	Total/NA	Water	8260C	
480-92124-23 MSD	AF-7D-120315 MSD	Total/NA	Water	8260C	
480-92124-24	AF-7S-120315	Total/NA	Water	8260C	
480-92124-25	DUP-01-120315	Total/NA	Water	8260C	
480-92124-26	Trip Blank	Total/NA	Water	8260C	
LCS 480-279287/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-279287/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 279500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92124-22	AF-7P-120315	Total/NA	Water	8260C	
480-92124-24 - DL	AF-7S-120315	Total/NA	Water	8260C	
480-92124-24 MS	AF-7S-120315	Total/NA	Water	8260C	
480-92124-24 MSD	AF-7S-120315	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 279500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-279500/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-279500/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-1D-120215 — Lab Sample ID: 480-92124-1

Date Collected: 12/02/15 13:50 — **Matrix: Ground Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279053	12/10/15 13:42	SWO	TAL BUF

Client Sample ID: OSMW-1S-120215 — Lab Sample ID: 480-92124-2

Date Collected: 12/02/15 13:59 — **Matrix: Ground Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	279053	12/10/15 14:08	SWO	TAL BUF

Client Sample ID: OSMW-1P-120215 — Lab Sample ID: 480-92124-3

Date Collected: 12/02/15 14:09 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279053	12/10/15 14:35	SWO	TAL BUF

Client Sample ID: OSMW-2P-120215 — Lab Sample ID: 480-92124-4

Date Collected: 12/02/15 14:26 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279053	12/10/15 15:02	SWO	TAL BUF

Client Sample ID: OSMW-5S-120215 — Lab Sample ID: 480-92124-5

Date Collected: 12/02/15 14:49 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279053	12/10/15 15:29	SWO	TAL BUF

Client Sample ID: OSMW-3S-120315 — Lab Sample ID: 480-92124-6

Date Collected: 12/03/15 08:30 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 00:09	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-3D-120315 — Lab Sample ID: 480-92124-7

Date Collected: 12/03/15 08:40 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 00:36	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	10	279287	12/11/15 13:58	GVF	TAL BUF

Client Sample ID: AOC PST MW-2S-120315 — Lab Sample ID: 480-92124-8

Date Collected: 12/03/15 08:58 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 01:02	SWO	TAL BUF

Client Sample ID: AF-25P-120315 — Lab Sample ID: 480-92124-9

Date Collected: 12/03/15 09:15 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	279217	12/11/15 01:29	SWO	TAL BUF

Client Sample ID: AF-21D-120315 — Lab Sample ID: 480-92124-10

Date Collected: 12/03/15 09:30 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 01:56	SWO	TAL BUF

Client Sample ID: AF-9S-120315 — Lab Sample ID: 480-92124-11

Date Collected: 12/03/15 09:45 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 02:23	SWO	TAL BUF

Client Sample ID: TMW-2S-120315 — Lab Sample ID: 480-92124-12

Date Collected: 12/03/15 10:05 — **Matrix: Water**
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 02:49	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: TMW-2D-120315 — Lab Sample ID: 480-92124-13

Date Collected: 12/03/15 10:10
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	279217	12/11/15 03:16	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	10	279287	12/11/15 14:25	GVF	TAL BUF

Client Sample ID: AF-24P-120315 — Lab Sample ID: 480-92124-14

Date Collected: 12/03/15 10:20
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	279217	12/11/15 03:43	SWO	TAL BUF

Client Sample ID: OSMW-5D-120315 — Lab Sample ID: 480-92124-15

Date Collected: 12/03/15 11:10
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	279217	12/11/15 04:10	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	5	279287	12/11/15 14:52	GVF	TAL BUF

Client Sample ID: OSMW-7D-120315 — Lab Sample ID: 480-92124-16

Date Collected: 12/03/15 11:41
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 04:37	SWO	TAL BUF

Client Sample ID: OSMW-8S-120315 — Lab Sample ID: 480-92124-17

Date Collected: 12/03/15 12:35
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 05:04	SWO	TAL BUF

Client Sample ID: OSMW-8D-120315 — Lab Sample ID: 480-92124-18

Date Collected: 12/03/15 12:45
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 05:31	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: OSMW-6S-120315 — Lab Sample ID: 480-92124-19

Date Collected: 12/03/15 12:03
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279217	12/11/15 05:58	SWO	TAL BUF

Client Sample ID: OSMW-6D-120315 — Lab Sample ID: 480-92124-20

Date Collected: 12/03/15 12:15
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	279217	12/11/15 06:25	SWO	TAL BUF

Client Sample ID: H-221 120315 — Lab Sample ID: 480-92124-21

Date Collected: 12/03/15 13:10
Date Received: 12/04/15 09:00
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	279217	12/11/15 06:52	SWO	TAL BUF

Client Sample ID: AF-7P-120315 — Lab Sample ID: 480-92124-22

Date Collected: 12/03/15 14:45
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279500	12/13/15 15:53	GTG	TAL BUF

Client Sample ID: AF-7D-120315 — Lab Sample ID: 480-92124-23

Date Collected: 12/03/15 14:20
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279287	12/11/15 15:46	GVF	TAL BUF

Client Sample ID: AF-7S-120315 — Lab Sample ID: 480-92124-24

Date Collected: 12/03/15 14:35
Date Received: 12/04/15 09:00
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279287	12/11/15 16:12	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	10	279500	12/13/15 16:19	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Client Sample ID: DUP-01-120315

Lab Sample ID: 480-92124-25
Date Collected: 12/03/15 12:00
Matrix: Water
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279287	12/11/15 16:39	GVF	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-92124-26
Date Collected: 12/03/15 00:00
Matrix: Water
Date Received: 12/04/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	279287	12/11/15 17:06	GVF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH site

TestAmerica Job ID: 480-92124-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92124-1	OSMW-1D-120215	Ground Water	12/02/15 13:50	12/04/15 09:00
480-92124-2	OSMW-1S-120215	Ground Water	12/02/15 13:59	12/04/15 09:00
480-92124-3	OSMW-1P-120215	Water	12/02/15 14:09	12/04/15 09:00
480-92124-4	OSMW-2P-120215	Water	12/02/15 14:26	12/04/15 09:00
480-92124-5	OSMW-5S-120215	Water	12/02/15 14:49	12/04/15 09:00
480-92124-6	OSMW-3S-120315	Water	12/03/15 08:30	12/04/15 09:00
480-92124-7	OSMW-3D-120315	Water	12/03/15 08:40	12/04/15 09:00
480-92124-8	AOC PST MW-2S-120315	Water	12/03/15 08:58	12/04/15 09:00
480-92124-9	AF-25P-120315	Water	12/03/15 09:15	12/04/15 09:00
480-92124-10	AF-21D-120315	Water	12/03/15 09:30	12/04/15 09:00
480-92124-11	AF-9S-120315	Water	12/03/15 09:45	12/04/15 09:00
480-92124-12	TMW-2S-120315	Water	12/03/15 10:05	12/04/15 09:00
480-92124-13	TMW-2D-120315	Water	12/03/15 10:10	12/04/15 09:00
480-92124-14	AF-24P-120315	Water	12/03/15 10:20	12/04/15 09:00
480-92124-15	OSMW-5D-120315	Water	12/03/15 11:10	12/04/15 09:00
480-92124-16	OSMW-7D-120315	Water	12/03/15 11:41	12/04/15 09:00
480-92124-17	OSMW-8S-120315	Water	12/03/15 12:35	12/04/15 09:00
480-92124-18	OSMW-8D-120315	Water	12/03/15 12:45	12/04/15 09:00
480-92124-19	OSMW-6S-120315	Water	12/03/15 12:03	12/04/15 09:00
480-92124-20	OSMW-6D-120315	Water	12/03/15 12:15	12/04/15 09:00
480-92124-21	H-221 120315	Ground Water	12/03/15 13:10	12/04/15 09:00
480-92124-22	AF-7P-120315	Water	12/03/15 14:45	12/04/15 09:00
480-92124-23	AF-7D-120315	Water	12/03/15 14:20	12/04/15 09:00
480-92124-24	AF-7S-120315	Water	12/03/15 14:35	12/04/15 09:00
480-92124-25	DUP-01-120315	Water	12/03/15 12:00	12/04/15 09:00
480-92124-26	Trip Blank	Water	12/03/15 00:00	12/04/15 09:00

Chain of Custody Record

page 1 of 3

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TAL-4124 (1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Cincinnati 210501

480-92124 Chain of Custody

Client	O'Brien & Gere
Project Manager	Rick Boone
Date	12/3/2015
Address	8805 Governor's Hill Dr. Ste. 164
Telephone Number (Area Code)/Fax Number	513-697-2020
Lab Number	
City	Cincinnati
State	OH
Zip Code	45249
Site Contact	Terra Dalton
Lab Contact	John Schore
Project Name and Location (State)	GE Aviation, Evendale, OH
Carrier/Waybill Number	7003 1337 6283
Contract/Purchase Order/Quote No.	

Analysis (Attach list if more space is needed): 8260B

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260B
OSMW-1D-120215	12/2/15	1350		X						3			X
OSMW-1S-120215	12/2/15	1359								3			X
OSMW-1P-120215	12/2/15	1409								3			X
OSMW-2P-120215	12/2/15	1426								3			X
OSMW-5S-120215	12/2/15	1449								3			X
OSMW-3S-120315	12/3/15	830								3			X
OSMW-3D-120315		840								3			X
AOC PST MW-2S-120315		858								3			X
AF-25P-120315		915								3			X
AF-21D-120315		930								3			X
AF-9S-120315		945								3			X
TMW-2S-120315		1005								3			X

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

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

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

QC Requirements (Specify): Level III Data Pkg; send results & QC to Karen Stone

1. Relinquished By: Terra Dalton, OBG	Date: 12/3/15	Time: 15:35	1. Received By: [signature]	Date: 12/3/15	Time: 15:35
2. Relinquished By: [signature]	Date: 12/3/15	Time: 15:40	2. Received By: [signature]	Date: 12/4/15	Time: 0900
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

#1 3.8

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

Chain of Custody Record

Pg. 2 of 3

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Cincinnati 210501

Client: O'Brien & Gere	Project Manager: Rick Boone	Date: 12/3/15	Chai
Address: 8805 Governor's Hill Dr. Ste. 164	Telephone Number (Area Code)/Fax Number: 513-697-2020	Lab Number	Pag
City: Cincinnati, ~~OHIO~~ / State: OH / Zip Code: 45249	Site Contact: Tera Dalton	Lab Contact: John Schove	
Project Name and Location (State): GE Aviation, Evendale, OH	Carrier/Waybill Number: 7003 1337 6283		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): 8260b

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260b	
TMW-2D-120315	12/3/15	10:10		X						3			X	
AF-24P-120315		10:20								3			X	
OSMW-5D-120315		11:10								3			X	
OSMW-7D-120315		11:41								3			X	
OSMW-8S-120315		12:35								3			X	
OSMW-8D-120315		12:45								3			X	
OSMW-6S-120315		12:03								3			X	
OSMW-6D-120315		12:15								3			X	
H-221-120315		13:10								3			X	
AF-7P-120315		14:45								3			X	
AF-7D-120315 (MS/MSD)*		14:20								9			X	*Extra MS/MSD volume*
AF-7S-120315		14:35								3			X	

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

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

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

QC Requirements (Specify): Level III Data Pkg; Send results & QC to Karen Stone

1. Relinquished By: Tera Dalton, OBG	Date: 12/3/15	Time: 15:35	1. Received By: [signature]	Date: 12/3/15	Time: 15:35
2. Relinquished By: [signature]	Date: 12/3/15	Time: 15:40	2. Received By: [signature]	Date: 12/4/15	Time: 0900
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

#1 3.8

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

Chain of Custody Record

page 3 of 3

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Cincinnati 210501

Client: O'Brien & Gere	Project Manager: Rick Boone	Date: 12/3/15	Chain
Address: 8805 Governor's Hill Dr. Ste. 164	Telephone Number (Area Code)/Fax Number: 513-697-2020	Lab Number	Page
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Tera Dalton	Lab Contact: John Schove	
Project Name and Location (State): GE Aviation Evendale, OH	Carrier/Waybill Number: 7003 1337 6283		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 8260b
DUP-01-120315	12/3/15	1200		X						3			X
TRIP BLANK	↓	—								1			X

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

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

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

QC Requirements (Specify): Level III Data Package, send results & QC to Karen Stone

1. Relinquished By: Tera Dalton, OBG	Date: 12/3/15	Time: 15:35	1. Received By: [signature]	Date: 12/3/15	Time: 15:35
2. Relinquished By: [signature]	Date: 12/3/15	Time: 15:40	2. Received By: [signature]	Date: 12/4/15	Time: 0900
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

#1 3.8

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-92124-1

Login Number: 92124
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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	
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	OBRIEN&GERE
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-92237-1
TestAmerica Sample Delivery Group: 480-92237-1
Client Project/Site: GE Aviation IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
12/21/2015 3:54:47 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-92237-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92237-1

Comments
No additional comments.

Receipt
The samples were received on 12/7/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.5º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280224 recovered outside acceptance criteria, low biased, for Chloromethane and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: PMW-3P-120415 (480-92237-1), PMW-3S-120415 (480-92237-2), PMW-3D-120415 (480-92237-3), OSMW-10P-120415 (480-92237-4), OSMW-10S 120415 (480-92237-5), OSMW-10D-120415 (480-92237-6), AF-6S-120415 (480-92237-7), AF-19S-120415 (480-92237-8) and AF-19D-120415 (480-92237-9).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-280224 recovered outside control limits for the following analyte: 4-Methyl-2-pentanone (MIBK). 4-Methyl-2-pentanone (MIBK) has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. These results have been reported and qualified. The following samples are impacted: PMW-3P-120415 (480-92237-1), PMW-3S-120415 (480-92237-2), PMW-3D-120415 (480-92237-3), OSMW-10P-120415 (480-92237-4), OSMW-10S 120415 (480-92237-5), OSMW-10D-120415 (480-92237-6), AF-6S-120415 (480-92237-7), AF-19S-120415 (480-92237-8) and AF-19D-120415 (480-92237-9) .

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: PMW-3P-120415 (480-92237-1) and TMW-1P-120415 (480-92237-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280400 recovered outside acceptance criteria, low biased, for 2-Hexanone, and 4-Methyl-2-pentanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 480-280400 . The following samples are impacted: PMW-3P-120415 (480-92237-1), AF-4P-120415 (480-92237-10), AF-4S-120415 (480-92237-11), PWW-2D-120415 (480-92237-12), TMW-1P-120415 (480-92237-13) and Trip Blank (480-92237-14).

Method(s) 8260C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-280400 recovered outside control limits for the following analyte: 4-Methyl-2-pentanone. 4-Methyl-2-pentanone has been identified as a poor performing analyte when analyzed using this method; therefore re-analysis was not performed. These results have been reported and qualified.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: PMW-3P-120415 — Lab Sample ID: 480-92237-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.5		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	60		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.59	J	1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	16		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	0.92	J	1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	170		5.0	4.1	ug/L	5		8260C	Total/NA

Client Sample ID: PMW-3S-120415 — Lab Sample ID: 480-92237-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.5		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.7		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	34		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	13		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	12		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-3D-120415 — Lab Sample ID: 480-92237-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.3		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.5		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	12		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10P-120415 — Lab Sample ID: 480-92237-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.0		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	17		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	13		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10S 120415 — Lab Sample ID: 480-92237-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.8		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.5		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	21		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10D-120415 — Lab Sample ID: 480-92237-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	6.0		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.46	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.6		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: AF-6S-120415 — Lab Sample ID: 480-92237-7

No Detections.

Client Sample ID: AF-19S-120415 — Lab Sample ID: 480-92237-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	9.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-19D-120415 — Lab Sample ID: 480-92237-9

No Detections.

Client Sample ID: AF-4P-120415 — Lab Sample ID: 480-92237-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	39		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.57	J	1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.72	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.3		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	12		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	92		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-4S-120415 — Lab Sample ID: 480-92237-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.3		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.6		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.75	J	1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	32		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PWW-2D-120415 — Lab Sample ID: 480-92237-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.46	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.2	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-1P-120415 — Lab Sample ID: 480-92237-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	170		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	43		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	17		4.0	1.2	ug/L	4		8260C	Total/NA
Chloroform	2.0	J	4.0	1.4	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	54		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	1.6	J	4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	230		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	13		4.0	3.6	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-92237-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: PMW-3P-120415

Date Collected: 12/04/15 09:01
Date Received: 12/07/15 09:30

Lab Sample ID: 480-92237-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**9.5**		1.0	0.82	ug/L			12/17/15 16:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 16:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 16:13	1
1,1-Dichloroethane	**60**		1.0	0.38	ug/L			12/17/15 16:13	1
1,1-Dichloroethene	**0.59**	**J**	1.0	0.29	ug/L			12/17/15 16:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 16:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 16:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 16:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 16:13	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 16:13	1
Acetone	ND		10	3.0	ug/L			12/17/15 16:13	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 16:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 16:13	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 16:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 16:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 16:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 16:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 16:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 16:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 16:13	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 16:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 16:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 16:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 16:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 16:13	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 16:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 16:13	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 16:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 16:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 16:13	1
Trichloroethene	**16**		1.0	0.46	ug/L			12/17/15 16:13	1
Vinyl chloride	**0.92**	**J**	1.0	0.90	ug/L			12/17/15 16:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/17/15 16:13*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/17/15 16:13*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/17/15 16:13*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/17/15 16:13*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**170**		5.0	4.1	ug/L			12/18/15 03:23	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/18/15 03:23*	*5*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/18/15 03:23*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/18/15 03:23*	*5*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/18/15 03:23*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: PMW-3S-120415

Lab Sample ID: 480-92237-2

Date Collected: 12/04/15 09:10
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**5.5**		1.0	0.82	ug/L			12/17/15 16:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 16:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 16:37	1
1,1-Dichloroethane	**4.7**		1.0	0.38	ug/L			12/17/15 16:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 16:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 16:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 16:37	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 16:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 16:37	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 16:37	1
Acetone	ND		10	3.0	ug/L			12/17/15 16:37	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 16:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 16:37	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 16:37	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 16:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 16:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 16:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 16:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 16:37	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 16:37	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 16:37	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 16:37	1
cis-1,2-Dichloroethene	**34**		1.0	0.81	ug/L			12/17/15 16:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 16:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 16:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 16:37	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 16:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 16:37	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 16:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 16:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 16:37	1
Trichloroethene	**13**		1.0	0.46	ug/L			12/17/15 16:37	1
Vinyl chloride	**12**		1.0	0.90	ug/L			12/17/15 16:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/17/15 16:37*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/17/15 16:37*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/17/15 16:37*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/17/15 16:37*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: PMW-3D-120415

Date Collected: 12/04/15 09:19
Date Received: 12/07/15 09:30

Lab Sample ID: 480-92237-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/15 17:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 17:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 17:01	1
1,1-Dichloroethane	**3.3**		1.0	0.38	ug/L			12/17/15 17:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 17:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 17:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 17:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 17:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 17:01	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 17:01	1
Acetone	**3.2**	**J**	10	3.0	ug/L			12/17/15 17:01	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 17:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 17:01	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 17:01	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 17:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 17:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 17:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 17:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 17:01	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 17:01	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 17:01	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 17:01	1
cis-1,2-Dichloroethene	**6.5**		1.0	0.81	ug/L			12/17/15 17:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 17:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 17:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 17:01	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 17:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 17:01	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 17:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 17:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 17:01	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/15 17:01	1
Vinyl chloride	**12**		1.0	0.90	ug/L			12/17/15 17:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/17/15 17:01*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/17/15 17:01*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/17/15 17:01*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/17/15 17:01*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: OSMW-10P-120415

Lab Sample ID: 480-92237-4

Date Collected: 12/04/15 09:40
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**6.0**		1.0	0.82	ug/L			12/17/15 17:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 17:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 17:25	1
1,1-Dichloroethane	**17**		1.0	0.38	ug/L			12/17/15 17:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 17:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 17:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 17:25	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 17:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 17:25	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 17:25	1
Acetone	ND		10	3.0	ug/L			12/17/15 17:25	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 17:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 17:25	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 17:25	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 17:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 17:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 17:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 17:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 17:25	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 17:25	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 17:25	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 17:25	1
cis-1,2-Dichloroethene	**37**		1.0	0.81	ug/L			12/17/15 17:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 17:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 17:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 17:25	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 17:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 17:25	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 17:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 17:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 17:25	1
Trichloroethene	**13**		1.0	0.46	ug/L			12/17/15 17:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/15 17:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/17/15 17:25*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*12/17/15 17:25*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/17/15 17:25*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/17/15 17:25*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: OSMW-10S 120415

Lab Sample ID: 480-92237-5
Date Collected: 12/04/15 09:48
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**6.8**		1.0	0.82	ug/L			12/17/15 17:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 17:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 17:49	1
1,1-Dichloroethane	**3.5**		1.0	0.38	ug/L			12/17/15 17:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 17:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 17:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 17:49	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 17:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 17:49	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 17:49	1
Acetone	ND		10	3.0	ug/L			12/17/15 17:49	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 17:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 17:49	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 17:49	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 17:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 17:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 17:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 17:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 17:49	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 17:49	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 17:49	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 17:49	1
cis-1,2-Dichloroethene	**21**		1.0	0.81	ug/L			12/17/15 17:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 17:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 17:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 17:49	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 17:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 17:49	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 17:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 17:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 17:49	1
Trichloroethene	**15**		1.0	0.46	ug/L			12/17/15 17:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/15 17:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/17/15 17:49*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/17/15 17:49*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/17/15 17:49*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/17/15 17:49*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: OSMW-10D-120415

Lab Sample ID: 480-92237-6
Date Collected: 12/04/15 10:00
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**6.0**		1.0	0.82	ug/L			12/17/15 18:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 18:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 18:12	1
1,1-Dichloroethane	**2.2**		1.0	0.38	ug/L			12/17/15 18:12	1
1,1-Dichloroethene	**0.46**	**J**	1.0	0.29	ug/L			12/17/15 18:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 18:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 18:12	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 18:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 18:12	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 18:12	1
Acetone	ND		10	3.0	ug/L			12/17/15 18:12	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 18:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 18:12	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 18:12	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 18:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 18:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 18:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 18:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 18:12	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 18:12	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 18:12	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 18:12	1
cis-1,2-Dichloroethene	**4.6**		1.0	0.81	ug/L			12/17/15 18:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 18:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 18:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 18:12	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 18:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 18:12	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 18:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 18:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 18:12	1
Trichloroethene	**15**		1.0	0.46	ug/L			12/17/15 18:12	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			12/17/15 18:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/17/15 18:12*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/17/15 18:12*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/17/15 18:12*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/17/15 18:12*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: AF-6S-120415

Date Collected: 12/04/15 10:55
Date Received: 12/07/15 09:30

Lab Sample ID: 480-92237-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/15 18:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 18:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 18:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/15 18:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 18:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 18:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 18:36	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 18:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 18:36	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 18:36	1
Acetone	ND		10	3.0	ug/L			12/17/15 18:36	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 18:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 18:36	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 18:36	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 18:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 18:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 18:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 18:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 18:36	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 18:36	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 18:36	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 18:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/15 18:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 18:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 18:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 18:36	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 18:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 18:36	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 18:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 18:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 18:36	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/15 18:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/15 18:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/17/15 18:36*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/17/15 18:36*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/17/15 18:36*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/17/15 18:36*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: AF-19S-120415

Lab Sample ID: 480-92237-8

Date Collected: 12/04/15 11:10
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/15 19:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 19:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 19:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/15 19:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 19:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 19:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 19:00	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 19:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 19:00	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 19:00	1
Acetone	ND		10	3.0	ug/L			12/17/15 19:00	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 19:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 19:00	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 19:00	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 19:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 19:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 19:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 19:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 19:00	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 19:00	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 19:00	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 19:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/15 19:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 19:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 19:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 19:00	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 19:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 19:00	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 19:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 19:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 19:00	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/15 19:00	1
Vinyl chloride	**9.9**		1.0	0.90	ug/L			12/17/15 19:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/17/15 19:00*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/17/15 19:00*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/17/15 19:00*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*12/17/15 19:00*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: AF-19D-120415

Date Collected: 12/04/15 11:30
Date Received: 12/07/15 09:30

Lab Sample ID: 480-92237-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/15 19:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 19:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 19:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/15 19:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 19:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 19:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 19:24	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 19:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 19:24	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/17/15 19:24	1
Acetone	ND		10	3.0	ug/L			12/17/15 19:24	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 19:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 19:24	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 19:24	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 19:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 19:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 19:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 19:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 19:24	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 19:24	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 19:24	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 19:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/15 19:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 19:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 19:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 19:24	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 19:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 19:24	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 19:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 19:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 19:24	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/15 19:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/15 19:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*12/17/15 19:24*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/17/15 19:24*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*12/17/15 19:24*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*12/17/15 19:24*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: AF-4P-120415

Lab Sample ID: 480-92237-10

Date Collected: 12/04/15 12:45
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**39**		1.0	0.82	ug/L			12/18/15 03:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 03:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 03:47	1
1,1-Dichloroethane	**6.4**		1.0	0.38	ug/L			12/18/15 03:47	1
1,1-Dichloroethene	**0.57**	**J**	1.0	0.29	ug/L			12/18/15 03:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 03:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 03:47	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 03:47	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/18/15 03:47	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/18/15 03:47	1
Acetone	ND		10	3.0	ug/L			12/18/15 03:47	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 03:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 03:47	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 03:47	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 03:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 03:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 03:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 03:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 03:47	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 03:47	1
Chloroform	**0.72**	**J**	1.0	0.34	ug/L			12/18/15 03:47	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 03:47	1
cis-1,2-Dichloroethene	**3.3**		1.0	0.81	ug/L			12/18/15 03:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 03:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 03:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 03:47	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 03:47	1
Tetrachloroethene	**12**		1.0	0.36	ug/L			12/18/15 03:47	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 03:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 03:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 03:47	1
Trichloroethene	**92**		1.0	0.46	ug/L			12/18/15 03:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 03:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/18/15 03:47*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/18/15 03:47*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/18/15 03:47*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*12/18/15 03:47*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: AF-4S-120415

Date Collected: 12/04/15 12:55
Date Received: 12/07/15 09:30

Lab Sample ID: 480-92237-11

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**5.3**		1.0	0.82	ug/L			12/18/15 04:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 04:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 04:11	1
1,1-Dichloroethane	**3.3**		1.0	0.38	ug/L			12/18/15 04:11	1
1,1-Dichloroethene	**1.6**		1.0	0.29	ug/L			12/18/15 04:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 04:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 04:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 04:11	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/18/15 04:11	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/18/15 04:11	1
Acetone	ND		10	3.0	ug/L			12/18/15 04:11	1
Benzene	**0.75**	**J**	1.0	0.41	ug/L			12/18/15 04:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 04:11	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 04:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 04:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 04:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 04:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 04:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 04:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 04:11	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 04:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 04:11	1
cis-1,2-Dichloroethene	**32**		1.0	0.81	ug/L			12/18/15 04:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 04:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 04:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 04:11	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 04:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 04:11	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 04:11	1
trans-1,2-Dichloroethene	**1.7**		1.0	0.90	ug/L			12/18/15 04:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 04:11	1
Trichloroethene	**12**		1.0	0.46	ug/L			12/18/15 04:11	1
Vinyl chloride	**1.3**		1.0	0.90	ug/L			12/18/15 04:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/18/15 04:11*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/18/15 04:11*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/18/15 04:11*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/18/15 04:11*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: PWW-2D-120415

Lab Sample ID: 480-92237-12

Date Collected: 12/04/15 13:08
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 04:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 04:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 04:35	1
1,1-Dichloroethane	**0.46**	**J**	1.0	0.38	ug/L			12/18/15 04:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 04:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 04:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 04:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 04:35	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/18/15 04:35	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/18/15 04:35	1
Acetone	**4.2**	**J**	10	3.0	ug/L			12/18/15 04:35	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 04:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 04:35	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 04:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 04:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 04:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 04:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 04:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 04:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 04:35	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 04:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 04:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 04:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 04:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 04:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 04:35	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 04:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 04:35	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 04:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 04:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 04:35	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 04:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 04:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/18/15 04:35*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/18/15 04:35*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/18/15 04:35*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/18/15 04:35*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: TMW-1P-120415

Lab Sample ID: 480-92237-13

Date Collected: 12/04/15 13:24
Matrix: Water
Date Received: 12/07/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**170**		4.0	3.3	ug/L			12/18/15 05:00	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/18/15 05:00	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/18/15 05:00	4
1,1-Dichloroethane	**43**		4.0	1.5	ug/L			12/18/15 05:00	4
1,1-Dichloroethene	**17**		4.0	1.2	ug/L			12/18/15 05:00	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/18/15 05:00	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/18/15 05:00	4
2-Hexanone	ND		20	5.0	ug/L			12/18/15 05:00	4
2-Butanone (MEK)	ND	*	40	5.3	ug/L			12/18/15 05:00	4
4-Methyl-2-pentanone (MIBK)	ND	*	20	8.4	ug/L			12/18/15 05:00	4
Acetone	ND		40	12	ug/L			12/18/15 05:00	4
Benzene	ND		4.0	1.6	ug/L			12/18/15 05:00	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/18/15 05:00	4
Bromoform	ND		4.0	1.0	ug/L			12/18/15 05:00	4
Bromomethane	ND		4.0	2.8	ug/L			12/18/15 05:00	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/18/15 05:00	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/18/15 05:00	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/18/15 05:00	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/18/15 05:00	4
Chloroethane	ND		4.0	1.3	ug/L			12/18/15 05:00	4
Chloroform	**2.0**	**J**	4.0	1.4	ug/L			12/18/15 05:00	4
Chloromethane	ND		4.0	1.4	ug/L			12/18/15 05:00	4
cis-1,2-Dichloroethene	**54**		4.0	3.2	ug/L			12/18/15 05:00	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/18/15 05:00	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/18/15 05:00	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/18/15 05:00	4
Styrene	ND		4.0	2.9	ug/L			12/18/15 05:00	4
Tetrachloroethene	**1.6**	**J**	4.0	1.4	ug/L			12/18/15 05:00	4
Toluene	ND		4.0	2.0	ug/L			12/18/15 05:00	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/18/15 05:00	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/18/15 05:00	4
Trichloroethene	**230**		4.0	1.8	ug/L			12/18/15 05:00	4
Vinyl chloride	**13**		4.0	3.6	ug/L			12/18/15 05:00	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/18/15 05:00	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/18/15 05:00*	*4*
Toluene-d8 (Surr)	*100*		*71 - 126*		*12/18/15 05:00*	*4*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/18/15 05:00*	*4*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*12/18/15 05:00*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-92237-14

Date Collected: 12/04/15 00:00
Date Received: 12/07/15 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 05:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 05:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 05:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 05:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 05:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 05:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 05:24	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 05:24	1
2-Butanone (MEK)	ND	*	10	1.3	ug/L			12/18/15 05:24	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/18/15 05:24	1
Acetone	ND		10	3.0	ug/L			12/18/15 05:24	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 05:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 05:24	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 05:24	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 05:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 05:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 05:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 05:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 05:24	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 05:24	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 05:24	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 05:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 05:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 05:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 05:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 05:24	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 05:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 05:24	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 05:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 05:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 05:24	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 05:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 05:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/18/15 05:24*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/18/15 05:24*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/18/15 05:24*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*12/18/15 05:24*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-92237-1	PMW-3P-120415	95	99	106	106
480-92237-1 - DL	PMW-3P-120415	97	97	106	106
480-92237-2	PMW-3S-120415	96	97	106	106
480-92237-3	PMW-3D-120415	95	98	107	104
480-92237-4	OSMW-10P-120415	95	96	105	106
480-92237-5	OSMW-10S 120415	95	98	108	106
480-92237-6	OSMW-10D-120415	97	101	105	106
480-92237-7	AF-6S-120415	94	100	106	104
480-92237-8	AF-19S-120415	97	98	105	105
480-92237-9	AF-19D-120415	110	101	109	108
480-92237-10	AF-4P-120415	99	97	105	107
480-92237-11	AF-4S-120415	95	99	108	104
480-92237-12	PWW-2D-120415	95	98	106	102
480-92237-13	TMW-1P-120415	94	100	106	105
480-92237-14	Trip Blank	96	98	106	105
LCS 480-280224/5	Lab Control Sample	98	99	108	105
LCS 480-280400/4	Lab Control Sample	96	97	108	108
LCSD 480-280400/29	Lab Control Sample Dup	97	100	110	105
MB 480-280224/7	Method Blank	95	98	103	104
MB 480-280400/6	Method Blank	95	99	107	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-280224/7
Matrix: Water
Analysis Batch: 280224

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/15 11:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 11:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 11:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/15 11:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 11:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 11:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 11:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 11:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/15 11:35	1
Acetone	ND		10	3.0	ug/L			12/17/15 11:35	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 11:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 11:35	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 11:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 11:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 11:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 11:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 11:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 11:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 11:35	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 11:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 11:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/15 11:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 11:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 11:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 11:35	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 11:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 11:35	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 11:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 11:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 11:35	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/15 11:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/15 11:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/17/15 11:35*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/17/15 11:35*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/17/15 11:35*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/17/15 11:35*	*1*

Lab Sample ID: LCS 480-280224/5
Matrix: Water
Analysis Batch: 280224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.6		ug/L		78	70 - 126

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

Lab Sample ID: LCS 480-280224/5
Matrix: Water
Analysis Batch: 280224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	22.0		ug/L		88	76 - 122
1,1-Dichloroethane	25.0	24.8		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	21.2		ug/L		85	58 - 121
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 127
1,2-Dichloropropane	25.0	24.1		ug/L		97	76 - 120
2-Hexanone	125	97.7		ug/L		78	65 - 127
2-Butanone (MEK)	125	103		ug/L		82	57 - 140
4-Methyl-2-pentanone (MIBK)	125	87.5	*	ug/L		70	71 - 125
Acetone	125	109		ug/L		88	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	20.0		ug/L		80	52 - 132
Bromomethane	25.0	22.7		ug/L		91	55 - 144
Carbon disulfide	25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	25.0	25.8		ug/L		103	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	72 - 120
Dibromochloromethane	25.0	22.5		ug/L		90	75 - 125
Chloroethane	25.0	22.3		ug/L		89	69 - 136
Chloroform	25.0	24.9		ug/L		99	73 - 127
Chloromethane	25.0	18.3		ug/L		73	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Methylene Chloride	25.0	26.8		ug/L		107	57 - 132
Styrene	25.0	24.3		ug/L		97	70 - 130
Tetrachloroethene	25.0	26.3		ug/L		105	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	22.6		ug/L		90	72 - 123
Trichloroethene	25.0	26.9		ug/L		107	74 - 123
Vinyl chloride	25.0	21.0		ug/L		84	65 - 133
Xylenes, Total	50.0	48.7		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

Lab Sample ID: MB 480-280400/6
Matrix: Water
Analysis Batch: 280400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/15 23:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 23:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 23:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/15 23:56	1

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

Lab Sample ID: MB 480-280400/6
Matrix: Water
Analysis Batch: 280400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 23:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 23:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 23:56	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 23:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 23:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/15 23:56	1
Acetone	ND		10	3.0	ug/L			12/17/15 23:56	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 23:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 23:56	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 23:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 23:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 23:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 23:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 23:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 23:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 23:56	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 23:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 23:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/15 23:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 23:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 23:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 23:56	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 23:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 23:56	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 23:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 23:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 23:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/15 23:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/15 23:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 23:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/17/15 23:56*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/17/15 23:56*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/17/15 23:56*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*12/17/15 23:56*	*1*

Lab Sample ID: LCS 480-280400/4
Matrix: Water
Analysis Batch: 280400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.5		ug/L		78	70 - 126
1,1,2-Trichloroethane	25.0	21.1		ug/L		84	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	71 - 129
1,1-Dichloroethene	25.0	22.2		ug/L		89	58 - 121
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 127

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

Lab Sample ID: LCS 480-280400/4
Matrix: Water
Analysis Batch: 280400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
2-Hexanone	125	91.2		ug/L		73	65 - 127
2-Butanone (MEK)	125	176	*	ug/L		141	57 - 140
4-Methyl-2-pentanone (MIBK)	125	83.7	*	ug/L		67	71 - 125
Acetone	125	116		ug/L		93	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
Bromoform	25.0	19.9		ug/L		80	52 - 132
Bromomethane	25.0	29.0		ug/L		116	55 - 144
Carbon disulfide	25.0	23.4		ug/L		94	59 - 134
Carbon tetrachloride	25.0	26.1		ug/L		104	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	72 - 120
Dibromochloromethane	25.0	23.2		ug/L		93	75 - 125
Chloroethane	25.0	28.2		ug/L		113	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	23.1		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Methylene Chloride	25.0	25.1		ug/L		100	57 - 132
Styrene	25.0	23.7		ug/L		95	70 - 130
Tetrachloroethene	25.0	27.1		ug/L		108	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	22.2		ug/L		89	72 - 123
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133
Xylenes, Total	50.0	48.4		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*60 - 140*

Lab Sample ID: LCSD 480-280400/29
Matrix: Water
Analysis Batch: 280400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	24.6		ug/L		98	73 - 126	5	15
1,1,2,2-Tetrachloroethane	25.0	19.7		ug/L		79	70 - 126	1	15
1,1,2-Trichloroethane	25.0	21.7		ug/L		87	76 - 122	3	15
1,1-Dichloroethane	25.0	23.9		ug/L		96	71 - 129	5	20
1,1-Dichloroethene	25.0	22.9		ug/L		92	58 - 121	3	16
1,2-Dichloroethane	25.0	22.1		ug/L		88	75 - 127	5	20
1,2-Dichloropropane	25.0	23.3		ug/L		93	76 - 120	4	20
2-Hexanone	125	94.0		ug/L		75	65 - 127	3	15

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

Lab Sample ID: LCSD 480-280400/29
Matrix: Water
Analysis Batch: 280400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)			125	177	*	ug/L		142	57 - 140	0	20
4-Methyl-2-pentanone (MIBK)			125	86.0	*	ug/L		69	71 - 125	3	35
Acetone			125	113		ug/L		90	56 - 142	2	15
Benzene			25.0	23.8		ug/L		95	71 - 124	4	13
Bromodichloromethane			25.0	23.7		ug/L		95	80 - 122	2	15
Bromoform			25.0	20.5		ug/L		82	52 - 132	3	15
Bromomethane			25.0	26.9		ug/L		107	55 - 144	8	15
Carbon disulfide			25.0	21.9		ug/L		87	59 - 134	7	15
Carbon tetrachloride			25.0	24.8		ug/L		99	72 - 134	5	15
Chlorobenzene			25.0	24.2		ug/L		97	72 - 120	0	25
Dibromochloromethane			25.0	23.0		ug/L		92	75 - 125	1	15
Chloroethane			25.0	26.1		ug/L		105	69 - 136	7	15
Chloroform			25.0	23.4		ug/L		94	73 - 127	7	20
Chloromethane			25.0	22.1		ug/L		88	68 - 124	5	15
cis-1,2-Dichloroethene			25.0	24.4		ug/L		98	74 - 124	5	15
cis-1,3-Dichloropropene			25.0	24.1		ug/L		96	74 - 124	3	15
Ethylbenzene			25.0	23.6		ug/L		95	77 - 123	1	15
Methylene Chloride			25.0	24.1		ug/L		96	57 - 132	4	15
Styrene			25.0	23.3		ug/L		93	70 - 130	2	20
Tetrachloroethene			25.0	26.3		ug/L		105	74 - 122	3	20
Toluene			25.0	22.8		ug/L		91	80 - 122	3	15
trans-1,2-Dichloroethene			25.0	23.6		ug/L		95	73 - 127	7	20
trans-1,3-Dichloropropene			25.0	21.7		ug/L		87	72 - 123	3	15
Trichloroethene			25.0	24.5		ug/L		98	74 - 123	7	16
Vinyl chloride			25.0	23.1		ug/L		92	65 - 133	8	15
Xylenes, Total			50.0	47.6		ug/L		95	76 - 122	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

GC/MS VOA

Analysis Batch: 280224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92237-1	PMW-3P-120415	Total/NA	Water	8260C	
480-92237-2	PMW-3S-120415	Total/NA	Water	8260C	
480-92237-3	PMW-3D-120415	Total/NA	Water	8260C	
480-92237-4	OSMW-10P-120415	Total/NA	Water	8260C	
480-92237-5	OSMW-10S 120415	Total/NA	Water	8260C	
480-92237-6	OSMW-10D-120415	Total/NA	Water	8260C	
480-92237-7	AF-6S-120415	Total/NA	Water	8260C	
480-92237-8	AF-19S-120415	Total/NA	Water	8260C	
480-92237-9	AF-19D-120415	Total/NA	Water	8260C	
LCS 480-280224/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-280224/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 280400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92237-1 - DL	PMW-3P-120415	Total/NA	Water	8260C	
480-92237-10	AF-4P-120415	Total/NA	Water	8260C	
480-92237-11	AF-4S-120415	Total/NA	Water	8260C	
480-92237-12	PWW-2D-120415	Total/NA	Water	8260C	
480-92237-13	TMW-1P-120415	Total/NA	Water	8260C	
480-92237-14	Trip Blank	Total/NA	Water	8260C	
LCS 480-280400/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-280400/29	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-280400/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: PMW-3P-120415 — Lab Sample ID: 480-92237-1

Date Collected: 12/04/15 09:01 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 16:13	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	5	280400	12/18/15 03:23	GTG	TAL BUF

Client Sample ID: PMW-3S-120415 — Lab Sample ID: 480-92237-2

Date Collected: 12/04/15 09:10 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 16:37	GTG	TAL BUF

Client Sample ID: PMW-3D-120415 — Lab Sample ID: 480-92237-3

Date Collected: 12/04/15 09:19 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 17:01	GTG	TAL BUF

Client Sample ID: OSMW-10P-120415 — Lab Sample ID: 480-92237-4

Date Collected: 12/04/15 09:40 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 17:25	GTG	TAL BUF

Client Sample ID: OSMW-10S 120415 — Lab Sample ID: 480-92237-5

Date Collected: 12/04/15 09:48 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 17:49	GTG	TAL BUF

Client Sample ID: OSMW-10D-120415 — Lab Sample ID: 480-92237-6

Date Collected: 12/04/15 10:00 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 18:12	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: AF-6S-120415 — Lab Sample ID: 480-92237-7

Date Collected: 12/04/15 10:55 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 18:36	GTG	TAL BUF

Client Sample ID: AF-19S-120415 — Lab Sample ID: 480-92237-8

Date Collected: 12/04/15 11:10 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 19:00	GTG	TAL BUF

Client Sample ID: AF-19D-120415 — Lab Sample ID: 480-92237-9

Date Collected: 12/04/15 11:30 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280224	12/17/15 19:24	GTG	TAL BUF

Client Sample ID: AF-4P-120415 — Lab Sample ID: 480-92237-10

Date Collected: 12/04/15 12:45 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280400	12/18/15 03:47	GTG	TAL BUF

Client Sample ID: AF-4S-120415 — Lab Sample ID: 480-92237-11

Date Collected: 12/04/15 12:55 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280400	12/18/15 04:11	GTG	TAL BUF

Client Sample ID: PWW-2D-120415 — Lab Sample ID: 480-92237-12

Date Collected: 12/04/15 13:08 — **Matrix: Water**
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280400	12/18/15 04:35	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Client Sample ID: TMW-1P-120415

Lab Sample ID: 480-92237-13
Date Collected: 12/04/15 13:24
Matrix: Water
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	280400	12/18/15 05:00	GTG	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-92237-14
Date Collected: 12/04/15 00:00
Matrix: Water
Date Received: 12/07/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280400	12/18/15 05:24	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92237-1
SDG: 480-92237-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92237-1	PMW-3P-120415	Water	12/04/15 09:01	12/07/15 09:30
480-92237-2	PMW-3S-120415	Water	12/04/15 09:10	12/07/15 09:30
480-92237-3	PMW-3D-120415	Water	12/04/15 09:19	12/07/15 09:30
480-92237-4	OSMW-10P-120415	Water	12/04/15 09:40	12/07/15 09:30
480-92237-5	OSMW-10S 120415	Water	12/04/15 09:48	12/07/15 09:30
480-92237-6	OSMW-10D-120415	Water	12/04/15 10:00	12/07/15 09:30
480-92237-7	AF-6S-120415	Water	12/04/15 10:55	12/07/15 09:30
480-92237-8	AF-19S-120415	Water	12/04/15 11:10	12/07/15 09:30
480-92237-9	AF-19D-120415	Water	12/04/15 11:30	12/07/15 09:30
480-92237-10	AF-4P-120415	Water	12/04/15 12:45	12/07/15 09:30
480-92237-11	AF-4S-120415	Water	12/04/15 12:55	12/07/15 09:30
480-92237-12	PWW-2D-120415	Water	12/04/15 13:08	12/07/15 09:30
480-92237-13	TMW-1P-120415	Water	12/04/15 13:24	12/07/15 09:30
480-92237-14	Trip Blank	Water	12/04/15 00:00	12/07/15 09:30

48003453

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmeri

THE LEADER IN ENVIRONMENTAL

480-92237 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
O'Brien & Gere	Rick Boone	12/4/2015	291887
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
8505 Governor's Hill Dr. Ste. 164	513-697-2020		

City	State	Zip Code	Site Contact	Lab Contact
Cincinnati	OH	45249	Terra Dalton	John Schorer

Project Name and Location (State): GE Aviation IRM, Evendale, OH

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.:

Analysis (Attach list if more space is needed): 2 of 1

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		8260B										
TMW-1P-120415	12/4/15	1324		X							3				X										
TRIP BLANK	12/4/15	—		X							1				X										

Cincinnati 210501

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

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

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

QC Requirements (Specify): Level III Data Pkg

	Date	Time		Date	Time
1. Relinquished By	12/4/15	1400	1. Received By	12/4/15	1400
2. Relinquished By	12/4/15	1400	2. Received By	12/7/15	0930
3. Relinquished By			3. Received By		

Comments

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

4800 3453

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Rick Boone	Date: 12/4/2015	Chain of Custody Number: 291873
Address: 8805 Governor's Hill Dr. Ste. 164	Telephone Number (Area Code)/Fax Number: 513-697-2020	Lab Number	Page 1 of 2
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Tera Dalton	Lab Contact: John Schove	
Project Name and Location (State): GE Aviation IRM, Evendale, OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): 8260b

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		8260b
PMW-3P-120415	12/4/15	901		X							3				X
PMW-3S-120415	12/4/15	910		X							3				X
PMW-3D-120415	12/4/15	919		X							3				X
OSMW-10P-120415	12/4/15	940		X							3				X
OSMW-10S-120415	12/4/15	945		X							3				X
OSMW-10D-120415	12/4/15	1000		X							3				X
AF-6S-120415	12/4/15	1055		X							3				X
AF-19S-120415	12/4/15	1110		X							3				X
AF-19D-120415	12/4/15	1130		X							3				X
AF-4P-120415	12/4/15	1245		X							3				X
AF-4S-120415	12/4/15	1255		X							3				X
PMW-2D-120415	12/4/15	1308		X							3				X

Cincinnati

210501

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

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

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

QC Requirements (Specify): Level III Data Package

1. Relinquished By	Date 12/4/15	Time 1400	1. Received By	Date 12/4/15	Time 1400
2. Relinquished By	Date 12/4/15	Time 1400	2. Received By	Date 12/7/15	Time 0930
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

#153

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-92237-1
SDG Number: 480-92237-1

Login Number: 92237
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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	
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	O'BRIEN & GERE
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-92306-1
TestAmerica Sample Delivery Group: 480-92306-1
Client Project/Site: GE Aviation IRM

For:
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-92306-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92306-1

Comments
No additional comments.

Receipt
The samples were received on 12/8/2015 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OSMW-11S-120715 (480-92306-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280407 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: Due to the coelution of n-butyl Acetate with 2-Hexanone in the full spike solution, 2-Hexanone exceeded control limits in the laboratory control sample (LCS) associated with batch 480-280474 . The following samples are impacted: OSMW-9S-120715 (480-92306-6) and OSMW-11D-120715 (480-92306-8).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OSMW-9S-120715 (480-92306-6). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: AF-11D-120715 — Lab Sample ID: 480-92306-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.97	J F1	1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11S-120715 — Lab Sample ID: 480-92306-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.93	J	1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	3.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-4D-120715 — Lab Sample ID: 480-92306-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-13P-120715 — Lab Sample ID: 480-92306-4

No Detections.

Client Sample ID: AF-13S-120715 — Lab Sample ID: 480-92306-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	14		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	0.92	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-9S-120715 — Lab Sample ID: 480-92306-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.2	J	20	6.0	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	34		2.0	1.6	ug/L	2		8260C	Total/NA
Vinyl chloride	91		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: OSMW-9D-120715 — Lab Sample ID: 480-92306-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.3	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	33		10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	12		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11D-120715 — Lab Sample ID: 480-92306-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.3	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11S-120715 — Lab Sample ID: 480-92306-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.9	J	2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	23		2.0	0.76	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-11S-120715 (Continued) — Lab Sample ID: 480-92306-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.4		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	180		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	4.4		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	23		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: OSMW-11P-120715 — Lab Sample ID: 480-92306-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.90	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	5.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-13P-120715 — Lab Sample ID: 480-92306-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.6		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	6.4	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-12P-120715 — Lab Sample ID: 480-92306-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.0		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.7		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	6.9	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	3.9		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-01-120715 — Lab Sample ID: 480-92306-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	0.92	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-92306-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: AF-11D-120715

Lab Sample ID: 480-92306-1

Date Collected: 12/07/15 09:07
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 01:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 01:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 01:36	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			12/18/15 01:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 01:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 01:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 01:36	1
2-Hexanone	ND	F1	5.0	1.2	ug/L			12/18/15 01:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 01:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 01:36	1
Acetone	ND		10	3.0	ug/L			12/18/15 01:36	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 01:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 01:36	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 01:36	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 01:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 01:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 01:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 01:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 01:36	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 01:36	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 01:36	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 01:36	1
cis-1,2-Dichloroethene	**0.97**	**J F1**	1.0	0.81	ug/L			12/18/15 01:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 01:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 01:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 01:36	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 01:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 01:36	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 01:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 01:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 01:36	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 01:36	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			12/18/15 01:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/18/15 01:36*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/18/15 01:36*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/18/15 01:36*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/18/15 01:36*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: AF-11S-120715

Date Collected: 12/07/15 09:20
Date Received: 12/08/15 09:30

Lab Sample ID: 480-92306-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 02:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 02:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 02:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 02:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 02:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 02:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 02:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 02:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 02:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 02:02	1
Acetone	**4.9**	**J**	10	3.0	ug/L			12/18/15 02:02	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 02:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 02:02	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 02:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 02:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 02:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 02:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 02:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 02:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 02:02	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 02:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 02:02	1
cis-1,2-Dichloroethene	**0.93**	**J**	1.0	0.81	ug/L			12/18/15 02:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 02:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 02:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 02:02	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 02:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 02:02	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 02:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 02:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 02:02	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 02:02	1
Vinyl chloride	**3.1**		1.0	0.90	ug/L			12/18/15 02:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*12/18/15 02:02*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*12/18/15 02:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/18/15 02:02*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/18/15 02:02*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: PMW-4D-120715

Lab Sample ID: 480-92306-3

Date Collected: 12/07/15 10:02
Date Received: 12/08/15 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 02:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 02:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 02:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 02:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 02:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 02:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 02:28	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 02:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 02:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 02:28	1
Acetone	ND		10	3.0	ug/L			12/18/15 02:28	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 02:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 02:28	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 02:28	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 02:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 02:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 02:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 02:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 02:28	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 02:28	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 02:28	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 02:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 02:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 02:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 02:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 02:28	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 02:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 02:28	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 02:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 02:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 02:28	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 02:28	1
Vinyl chloride	**2.6**		1.0	0.90	ug/L			12/18/15 02:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*12/18/15 02:28*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/18/15 02:28*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/18/15 02:28*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/18/15 02:28*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: AF-13P-120715

Date Collected: 12/07/15 10:20
Date Received: 12/08/15 09:30

Lab Sample ID: 480-92306-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 02:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 02:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 02:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 02:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 02:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 02:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 02:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 02:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 02:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 02:53	1
Acetone	ND		10	3.0	ug/L			12/18/15 02:53	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 02:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 02:53	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 02:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 02:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 02:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 02:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 02:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 02:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 02:53	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 02:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 02:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 02:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 02:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 02:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 02:53	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 02:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 02:53	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 02:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 02:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 02:53	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 02:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 02:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/18/15 02:53*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/18/15 02:53*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/15 02:53*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/18/15 02:53*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: AF-13S-120715

Lab Sample ID: 480-92306-5

Date Collected: 12/07/15 10:30
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 03:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 03:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 03:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 03:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 03:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 03:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 03:19	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 03:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 03:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 03:19	1
Acetone	ND		10	3.0	ug/L			12/18/15 03:19	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 03:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 03:19	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 03:19	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 03:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 03:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 03:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 03:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 03:19	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 03:19	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 03:19	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 03:19	1
cis-1,2-Dichloroethene	**14**		1.0	0.81	ug/L			12/18/15 03:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 03:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 03:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 03:19	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 03:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 03:19	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 03:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 03:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 03:19	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 03:19	1
Vinyl chloride	**0.92**	**J**	1.0	0.90	ug/L			12/18/15 03:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*12/18/15 03:19*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/18/15 03:19*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/18/15 03:19*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/18/15 03:19*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-9S-120715

Lab Sample ID: 480-92306-6

Date Collected: 12/07/15 10:55
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			12/18/15 15:21	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/18/15 15:21	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/18/15 15:21	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			12/18/15 15:21	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			12/18/15 15:21	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/18/15 15:21	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/18/15 15:21	2
2-Hexanone	ND	*	10	2.5	ug/L			12/18/15 15:21	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/18/15 15:21	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/18/15 15:21	2
Acetone	**7.2**	**J**	20	6.0	ug/L			12/18/15 15:21	2
Benzene	ND		2.0	0.82	ug/L			12/18/15 15:21	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/18/15 15:21	2
Bromoform	ND		2.0	0.52	ug/L			12/18/15 15:21	2
Bromomethane	ND		2.0	1.4	ug/L			12/18/15 15:21	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/18/15 15:21	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/18/15 15:21	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/18/15 15:21	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/18/15 15:21	2
Chloroethane	ND		2.0	0.64	ug/L			12/18/15 15:21	2
Chloroform	ND		2.0	0.68	ug/L			12/18/15 15:21	2
Chloromethane	ND		2.0	0.70	ug/L			12/18/15 15:21	2
cis-1,2-Dichloroethene	**34**		2.0	1.6	ug/L			12/18/15 15:21	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/18/15 15:21	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/18/15 15:21	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/18/15 15:21	2
Styrene	ND		2.0	1.5	ug/L			12/18/15 15:21	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/18/15 15:21	2
Toluene	ND		2.0	1.0	ug/L			12/18/15 15:21	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/18/15 15:21	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/18/15 15:21	2
Trichloroethene	ND		2.0	0.92	ug/L			12/18/15 15:21	2
Vinyl chloride	**91**		2.0	1.8	ug/L			12/18/15 15:21	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/18/15 15:21	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/18/15 15:21*	*2*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/18/15 15:21*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/15 15:21*	*2*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*12/18/15 15:21*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-9D-120715

Lab Sample ID: 480-92306-7

Date Collected: 12/07/15 11:05
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 04:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 04:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 04:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 04:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 04:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 04:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 04:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 04:11	1
2-Butanone (MEK)	**3.3**	**J**	10	1.3	ug/L			12/18/15 04:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 04:11	1
Acetone	**33**		10	3.0	ug/L			12/18/15 04:11	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 04:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 04:11	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 04:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 04:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 04:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 04:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 04:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 04:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 04:11	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 04:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 04:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 04:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 04:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 04:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 04:11	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 04:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 04:11	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 04:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 04:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 04:11	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 04:11	1
Vinyl chloride	**12**		1.0	0.90	ug/L			12/18/15 04:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*12/18/15 04:11*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/18/15 04:11*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/15 04:11*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/18/15 04:11*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-11D-120715

Lab Sample ID: 480-92306-8

Date Collected: 12/07/15 11:35
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 15:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 15:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 15:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 15:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 15:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 15:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 15:47	1
2-Hexanone	ND	*	5.0	1.2	ug/L			12/18/15 15:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 15:47	1
Acetone	**3.3**	**J**	10	3.0	ug/L			12/18/15 15:47	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 15:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 15:47	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 15:47	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 15:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 15:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 15:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 15:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 15:47	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 15:47	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 15:47	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 15:47	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.81	ug/L			12/18/15 15:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 15:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 15:47	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 15:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 15:47	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 15:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 15:47	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 15:47	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			12/18/15 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/18/15 15:47*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/18/15 15:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/15 15:47*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/18/15 15:47*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-11S-120715

Lab Sample ID: 480-92306-9

Date Collected: 12/07/15 11:45
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.9**	**J**	2.0	1.6	ug/L			12/18/15 05:03	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/18/15 05:03	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/18/15 05:03	2
1,1-Dichloroethane	**23**		2.0	0.76	ug/L			12/18/15 05:03	2
1,1-Dichloroethene	**2.4**		2.0	0.58	ug/L			12/18/15 05:03	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/18/15 05:03	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/18/15 05:03	2
2-Hexanone	ND		10	2.5	ug/L			12/18/15 05:03	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/18/15 05:03	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/18/15 05:03	2
Acetone	ND		20	6.0	ug/L			12/18/15 05:03	2
Benzene	ND		2.0	0.82	ug/L			12/18/15 05:03	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/18/15 05:03	2
Bromoform	ND		2.0	0.52	ug/L			12/18/15 05:03	2
Bromomethane	ND		2.0	1.4	ug/L			12/18/15 05:03	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/18/15 05:03	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/18/15 05:03	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/18/15 05:03	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/18/15 05:03	2
Chloroethane	ND		2.0	0.64	ug/L			12/18/15 05:03	2
Chloroform	ND		2.0	0.68	ug/L			12/18/15 05:03	2
Chloromethane	ND		2.0	0.70	ug/L			12/18/15 05:03	2
cis-1,2-Dichloroethene	**180**		2.0	1.6	ug/L			12/18/15 05:03	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/18/15 05:03	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/18/15 05:03	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/18/15 05:03	2
Styrene	ND		2.0	1.5	ug/L			12/18/15 05:03	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/18/15 05:03	2
Toluene	ND		2.0	1.0	ug/L			12/18/15 05:03	2
trans-1,2-Dichloroethene	**4.4**		2.0	1.8	ug/L			12/18/15 05:03	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/18/15 05:03	2
Trichloroethene	**23**		2.0	0.92	ug/L			12/18/15 05:03	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/18/15 05:03	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/18/15 05:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*12/18/15 05:03*	*2*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/18/15 05:03*	*2*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/18/15 05:03*	*2*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*12/18/15 05:03*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-11P-120715

Lab Sample ID: 480-92306-10

Date Collected: 12/07/15 11:52
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 05:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 05:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 05:29	1
1,1-Dichloroethane	**0.90**	**J**	1.0	0.38	ug/L			12/18/15 05:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 05:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 05:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 05:29	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 05:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 05:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 05:29	1
Acetone	**5.2**	**J**	10	3.0	ug/L			12/18/15 05:29	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 05:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 05:29	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 05:29	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 05:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 05:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 05:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 05:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 05:29	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 05:29	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 05:29	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 05:29	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			12/18/15 05:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 05:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 05:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 05:29	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 05:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 05:29	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 05:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 05:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 05:29	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 05:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 05:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/18/15 05:29*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/18/15 05:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/18/15 05:29*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/18/15 05:29*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-13P-120715

Lab Sample ID: 480-92306-11

Date Collected: 12/07/15 12:09
Date Received: 12/08/15 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 05:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 05:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 05:55	1
1,1-Dichloroethane	**2.6**		1.0	0.38	ug/L			12/18/15 05:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 05:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 05:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 05:55	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 05:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 05:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 05:55	1
Acetone	**6.4**	**J**	10	3.0	ug/L			12/18/15 05:55	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 05:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 05:55	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 05:55	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 05:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 05:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 05:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 05:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 05:55	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 05:55	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 05:55	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 05:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 05:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 05:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 05:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 05:55	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 05:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 05:55	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 05:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 05:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 05:55	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 05:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 05:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*12/18/15 05:55*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/18/15 05:55*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/15 05:55*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/18/15 05:55*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-12P-120715

Lab Sample ID: 480-92306-12

Date Collected: 12/07/15 12:30
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.0**		1.0	0.82	ug/L			12/18/15 06:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 06:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 06:20	1
1,1-Dichloroethane	**2.7**		1.0	0.38	ug/L			12/18/15 06:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 06:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 06:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 06:20	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 06:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 06:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 06:20	1
Acetone	**6.9**	**J**	10	3.0	ug/L			12/18/15 06:20	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 06:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 06:20	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 06:20	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 06:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 06:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 06:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 06:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 06:20	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 06:20	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 06:20	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 06:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 06:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 06:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 06:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 06:20	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 06:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 06:20	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 06:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 06:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 06:20	1
Trichloroethene	**3.9**		1.0	0.46	ug/L			12/18/15 06:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 06:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*12/18/15 06:20*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/18/15 06:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/18/15 06:20*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/18/15 06:20*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: DUP-01-120715

Lab Sample ID: 480-92306-13

Date Collected: 12/07/15 12:00
Matrix: Water
Date Received: 12/08/15 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 06:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 06:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 06:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 06:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 06:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 06:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 06:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 06:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 06:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 06:46	1
Acetone	ND		10	3.0	ug/L			12/18/15 06:46	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 06:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 06:46	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 06:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 06:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 06:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 06:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 06:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 06:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 06:46	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 06:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 06:46	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.81	ug/L			12/18/15 06:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 06:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 06:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 06:46	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 06:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 06:46	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 06:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 06:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 06:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 06:46	1
Vinyl chloride	**0.92**	**J**	1.0	0.90	ug/L			12/18/15 06:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/18/15 06:46*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*12/18/15 06:46*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/15 06:46*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*12/18/15 06:46*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-92306-14

Date Collected: 12/07/15 00:00
Date Received: 12/08/15 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 07:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 07:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 07:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 07:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 07:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 07:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 07:12	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 07:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 07:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 07:12	1
Acetone	ND		10	3.0	ug/L			12/18/15 07:12	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 07:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 07:12	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 07:12	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 07:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 07:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 07:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 07:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 07:12	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 07:12	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 07:12	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 07:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 07:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 07:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 07:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 07:12	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 07:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 07:12	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 07:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 07:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 07:12	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 07:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 07:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 07:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/18/15 07:12*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*12/18/15 07:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/18/15 07:12*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/18/15 07:12*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-92306-1	AF-11D-120715	102	99	99	100
480-92306-1 MS	AF-11D-120715 MS	97	98	97	86
480-92306-1 MSD	AF-11D-120715 MSD	93	99	101	83
480-92306-2	AF-11S-120715	101	96	98	102
480-92306-3	PMW-4D-120715	105	97	98	104
480-92306-4	AF-13P-120715	103	97	96	102
480-92306-5	AF-13S-120715	100	97	98	100
480-92306-6	OSMW-9S-120715	103	98	96	102
480-92306-7	OSMW-9D-120715	104	97	96	104
480-92306-8	OSMW-11D-120715	102	99	96	100
480-92306-9	OSMW-11S-120715	104	95	95	105
480-92306-10	OSMW-11P-120715	102	97	95	106
480-92306-11	OSMW-13P-120715	105	95	96	104
480-92306-12	OSMW-12P-120715	106	98	95	106
480-92306-13	DUP-01-120715	102	95	96	104
480-92306-14	Trip Blank	103	94	95	100
LCS 480-280407/4	Lab Control Sample	101	95	103	103
LCS 480-280474/5	Lab Control Sample	97	99	99	87
MB 480-280407/6	Method Blank	103	97	98	101
MB 480-280474/8	Method Blank	99	99	96	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-280407/6
Matrix: Water
Analysis Batch: 280407

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/17/15 23:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/17/15 23:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/17/15 23:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/17/15 23:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/17/15 23:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/17/15 23:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/17/15 23:17	1
2-Hexanone	ND		5.0	1.2	ug/L			12/17/15 23:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/17/15 23:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/17/15 23:17	1
Acetone	ND		10	3.0	ug/L			12/17/15 23:17	1
Benzene	ND		1.0	0.41	ug/L			12/17/15 23:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/17/15 23:17	1
Bromoform	ND		1.0	0.26	ug/L			12/17/15 23:17	1
Bromomethane	ND		1.0	0.69	ug/L			12/17/15 23:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/17/15 23:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/17/15 23:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/17/15 23:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/17/15 23:17	1
Chloroethane	ND		1.0	0.32	ug/L			12/17/15 23:17	1
Chloroform	ND		1.0	0.34	ug/L			12/17/15 23:17	1
Chloromethane	ND		1.0	0.35	ug/L			12/17/15 23:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/17/15 23:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/17/15 23:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/17/15 23:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/17/15 23:17	1
Styrene	ND		1.0	0.73	ug/L			12/17/15 23:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/17/15 23:17	1
Toluene	ND		1.0	0.51	ug/L			12/17/15 23:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/17/15 23:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/17/15 23:17	1
Trichloroethene	ND		1.0	0.46	ug/L			12/17/15 23:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/17/15 23:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/17/15 23:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/17/15 23:17*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/17/15 23:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/17/15 23:17*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/17/15 23:17*	*1*

Lab Sample ID: LCS 480-280407/4
Matrix: Water
Analysis Batch: 280407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.3		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	70 - 126

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

Lab Sample ID: LCS 480-280407/4
Matrix: Water
Analysis Batch: 280407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	23.6		ug/L		94	71 - 129
1,1-Dichloroethene	25.0	21.9		ug/L		87	58 - 121
1,2-Dichloroethane	25.0	24.1		ug/L		97	75 - 127
1,2-Dichloropropane	25.0	24.1		ug/L		97	76 - 120
2-Hexanone	125	117		ug/L		94	65 - 127
2-Butanone (MEK)	125	127		ug/L		102	57 - 140
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	136		ug/L		109	56 - 142
Benzene	25.0	23.1		ug/L		92	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	23.9		ug/L		96	52 - 132
Bromomethane	25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	25.0	21.9		ug/L		87	59 - 134
Carbon tetrachloride	25.0	24.7		ug/L		99	72 - 134
Chlorobenzene	25.0	22.2		ug/L		89	72 - 120
Dibromochloromethane	25.0	23.0		ug/L		92	75 - 125
Chloroethane	25.0	22.0		ug/L		88	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	18.0		ug/L		72	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Ethylbenzene	25.0	21.8		ug/L		87	77 - 123
Methylene Chloride	25.0	23.9		ug/L		96	57 - 132
Styrene	25.0	22.3		ug/L		89	70 - 130
Tetrachloroethene	25.0	22.3		ug/L		89	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	72 - 123
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Vinyl chloride	25.0	19.7		ug/L		79	65 - 133
Xylenes, Total	50.0	44.6		ug/L		89	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*95*		*71 - 126*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*60 - 140*

Lab Sample ID: MB 480-280474/8
Matrix: Water
Analysis Batch: 280474

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/18/15 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/15 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/18/15 12:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/18/15 12:08	1

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

Lab Sample ID: MB 480-280474/8
Matrix: Water
Analysis Batch: 280474

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/18/15 12:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/18/15 12:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/18/15 12:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/18/15 12:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/18/15 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/18/15 12:08	1
Acetone	ND		10	3.0	ug/L			12/18/15 12:08	1
Benzene	ND		1.0	0.41	ug/L			12/18/15 12:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/18/15 12:08	1
Bromoform	ND		1.0	0.26	ug/L			12/18/15 12:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/18/15 12:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/18/15 12:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/18/15 12:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/18/15 12:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/18/15 12:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/18/15 12:08	1
Chloroform	ND		1.0	0.34	ug/L			12/18/15 12:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/18/15 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/15 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/18/15 12:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/18/15 12:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/15 12:08	1
Styrene	ND		1.0	0.73	ug/L			12/18/15 12:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/15 12:08	1
Toluene	ND		1.0	0.51	ug/L			12/18/15 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/15 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/18/15 12:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/15 12:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/18/15 12:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/18/15 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/18/15 12:08*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/18/15 12:08*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/18/15 12:08*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*12/18/15 12:08*	*1*

Lab Sample ID: LCS 480-280474/5
Matrix: Water
Analysis Batch: 280474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	20.4		ug/L		82	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	70 - 126
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	21.0		ug/L		84	71 - 129
1,1-Dichloroethene	25.0	20.0		ug/L		80	58 - 121
1,2-Dichloroethane	25.0	20.6		ug/L		82	75 - 127

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

Lab Sample ID: LCS 480-280474/5
Matrix: Water
Analysis Batch: 280474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	20.8		ug/L		83	76 - 120
2-Hexanone	125	179	*	ug/L		143	65 - 127
2-Butanone (MEK)	125	144		ug/L		115	57 - 140
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		97	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Benzene	25.0	20.6		ug/L		82	71 - 124
Bromodichloromethane	25.0	20.7		ug/L		83	80 - 122
Bromoform	25.0	23.8		ug/L		95	52 - 132
Bromomethane	25.0	22.1		ug/L		89	55 - 144
Carbon disulfide	25.0	19.5		ug/L		78	59 - 134
Carbon tetrachloride	25.0	22.2		ug/L		89	72 - 134
Chlorobenzene	25.0	23.6		ug/L		95	72 - 120
Dibromochloromethane	25.0	23.9		ug/L		96	75 - 125
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	19.9		ug/L		80	73 - 127
Chloromethane	25.0	21.3		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	20.2		ug/L		81	74 - 124
cis-1,3-Dichloropropene	25.0	20.9		ug/L		83	74 - 124
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
Methylene Chloride	25.0	20.4		ug/L		82	57 - 132
Styrene	25.0	23.9		ug/L		96	70 - 130
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	23.9		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	20.6		ug/L		82	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	72 - 123
Trichloroethene	25.0	20.9		ug/L		83	74 - 123
Vinyl chloride	25.0	22.4		ug/L		90	65 - 133
Xylenes, Total	50.0	48.0		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*87*		*60 - 140*

Lab Sample ID: 480-92306-1 MS
Matrix: Water
Analysis Batch: 280474

Client Sample ID: AF-11D-120715 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	24.2		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	28.6		ug/L		115	70 - 126
1,1,2-Trichloroethane	ND		25.0	28.5		ug/L		114	76 - 122
1,1-Dichloroethane	ND	F1	25.0	33.1	F1	ug/L		132	71 - 129
1,1-Dichloroethene	ND		25.0	23.6		ug/L		94	58 - 121
1,2-Dichloroethane	ND		25.0	24.4		ug/L		98	75 - 127
1,2-Dichloropropane	ND		25.0	25.0		ug/L		100	76 - 120
2-Hexanone	ND	F1	125	201	F1	ug/L		161	65 - 127

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

Lab Sample ID: 480-92306-1 MS
Matrix: Water
Analysis Batch: 280474

Client Sample ID: AF-11D-120715 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	ND		125	164		ug/L		131	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	141		ug/L		113	71 - 125
Acetone	ND		125	126		ug/L		101	56 - 142
Benzene	ND		25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	ND		25.0	24.7		ug/L		99	80 - 122
Bromoform	ND		25.0	27.8		ug/L		111	52 - 132
Bromomethane	ND		25.0	25.6		ug/L		102	55 - 144
Carbon disulfide	ND		25.0	22.8		ug/L		91	59 - 134
Carbon tetrachloride	ND		25.0	25.1		ug/L		101	72 - 134
Chlorobenzene	ND		25.0	27.9		ug/L		112	72 - 120
Dibromochloromethane	ND		25.0	27.7		ug/L		111	75 - 125
Chloroethane	ND		25.0	26.4		ug/L		105	69 - 136
Chloroform	ND		25.0	23.5		ug/L		94	73 - 127
Chloromethane	ND		25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	0.97	J F1	25.0	65.0	F1	ug/L		256	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.3		ug/L		97	74 - 124
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123
Methylene Chloride	ND		25.0	25.5		ug/L		102	57 - 132
Styrene	ND		25.0	28.5		ug/L		114	70 - 130
Tetrachloroethene	ND		25.0	28.3		ug/L		113	74 - 122
Toluene	ND		25.0	28.3		ug/L		113	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.3		ug/L		101	73 - 127
trans-1,3-Dichloropropene	ND		25.0	28.0		ug/L		112	72 - 123
Trichloroethene	ND		25.0	29.4		ug/L		118	74 - 123
Vinyl chloride	1.1		25.0	27.8		ug/L		107	65 - 133
Xylenes, Total	ND		50.0	56.3		ug/L		113	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
Toluene-d8 (Surr)	*98*		*71 - 126*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*86*		*60 - 140*

Lab Sample ID: 480-92306-1 MSD
Matrix: Water
Analysis Batch: 280474

Client Sample ID: AF-11D-120715 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	22.6		ug/L		90	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		25.0	29.4		ug/L		118	70 - 126	3	15
1,1,2-Trichloroethane	ND		25.0	28.0		ug/L		112	76 - 122	2	15
1,1-Dichloroethane	ND	F1	25.0	31.2		ug/L		125	71 - 129	6	20
1,1-Dichloroethene	ND		25.0	21.9		ug/L		88	58 - 121	7	16
1,2-Dichloroethane	ND		25.0	23.3		ug/L		93	75 - 127	5	20
1,2-Dichloropropane	ND		25.0	23.6		ug/L		94	76 - 120	6	20
2-Hexanone	ND	F1	125	207	F1	ug/L		165	65 - 127	3	15
2-Butanone (MEK)	ND		125	161		ug/L		129	57 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		125	145		ug/L		116	71 - 125	2	35

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

Lab Sample ID: 480-92306-1 MSD
Matrix: Water
Analysis Batch: 280474

Client Sample ID: AF-11D-120715 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	140		ug/L		112	56 - 142	10	15
Benzene	ND		25.0	22.7		ug/L		91	71 - 124	6	13
Bromodichloromethane	ND		25.0	24.0		ug/L		96	80 - 122	3	15
Bromoform	ND		25.0	27.5		ug/L		110	52 - 132	1	15
Bromomethane	ND		25.0	23.9		ug/L		96	55 - 144	7	15
Carbon disulfide	ND		25.0	21.4		ug/L		86	59 - 134	6	15
Carbon tetrachloride	ND		25.0	23.6		ug/L		94	72 - 134	6	15
Chlorobenzene	ND		25.0	27.1		ug/L		108	72 - 120	3	25
Dibromochloromethane	ND		25.0	27.6		ug/L		110	75 - 125	1	15
Chloroethane	ND		25.0	24.4		ug/L		98	69 - 136	8	15
Chloroform	ND		25.0	22.2		ug/L		89	73 - 127	6	20
Chloromethane	ND		25.0	23.1		ug/L		92	68 - 124	8	15
cis-1,2-Dichloroethene	0.97	J F1	25.0	61.0	F1	ug/L		240	74 - 124	6	15
cis-1,3-Dichloropropene	ND		25.0	23.6		ug/L		94	74 - 124	3	15
Ethylbenzene	ND		25.0	26.9		ug/L		107	77 - 123	2	15
Methylene Chloride	ND		25.0	23.7		ug/L		95	57 - 132	7	15
Styrene	ND		25.0	27.7		ug/L		111	70 - 130	3	20
Tetrachloroethene	ND		25.0	27.3		ug/L		109	74 - 122	4	20
Toluene	ND		25.0	27.3		ug/L		109	80 - 122	4	15
trans-1,2-Dichloroethene	ND		25.0	23.7		ug/L		95	73 - 127	7	20
trans-1,3-Dichloropropene	ND		25.0	28.3		ug/L		113	72 - 123	1	15
Trichloroethene	ND		25.0	27.9		ug/L		112	74 - 123	5	16
Vinyl chloride	1.1		25.0	25.6		ug/L		98	65 - 133	8	15
Xylenes, Total	ND		50.0	54.8		ug/L		110	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*83*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

GC/MS VOA

Analysis Batch: 280407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92306-1	AF-11D-120715	Total/NA	Water	8260C	
480-92306-2	AF-11S-120715	Total/NA	Water	8260C	
480-92306-3	PMW-4D-120715	Total/NA	Water	8260C	
480-92306-4	AF-13P-120715	Total/NA	Water	8260C	
480-92306-5	AF-13S-120715	Total/NA	Water	8260C	
480-92306-7	OSMW-9D-120715	Total/NA	Water	8260C	
480-92306-9	OSMW-11S-120715	Total/NA	Water	8260C	
480-92306-10	OSMW-11P-120715	Total/NA	Water	8260C	
480-92306-11	OSMW-13P-120715	Total/NA	Water	8260C	
480-92306-12	OSMW-12P-120715	Total/NA	Water	8260C	
480-92306-13	DUP-01-120715	Total/NA	Water	8260C	
480-92306-14	Trip Blank	Total/NA	Water	8260C	
LCS 480-280407/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-280407/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 280474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92306-1 MS	AF-11D-120715 MS	Total/NA	Water	8260C	
480-92306-1 MSD	AF-11D-120715 MSD	Total/NA	Water	8260C	
480-92306-6	OSMW-9S-120715	Total/NA	Water	8260C	
480-92306-8	OSMW-11D-120715	Total/NA	Water	8260C	
LCS 480-280474/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-280474/8	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: AF-11D-120715 — Lab Sample ID: 480-92306-1

Date Collected: 12/07/15 09:07 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 01:36	GTG	TAL BUF

Client Sample ID: AF-11S-120715 — Lab Sample ID: 480-92306-2

Date Collected: 12/07/15 09:20 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 02:02	GTG	TAL BUF

Client Sample ID: PMW-4D-120715 — Lab Sample ID: 480-92306-3

Date Collected: 12/07/15 10:02 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 02:28	GTG	TAL BUF

Client Sample ID: AF-13P-120715 — Lab Sample ID: 480-92306-4

Date Collected: 12/07/15 10:20 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 02:53	GTG	TAL BUF

Client Sample ID: AF-13S-120715 — Lab Sample ID: 480-92306-5

Date Collected: 12/07/15 10:30 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 03:19	GTG	TAL BUF

Client Sample ID: OSMW-9S-120715 — Lab Sample ID: 480-92306-6

Date Collected: 12/07/15 10:55 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	280474	12/18/15 15:21	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: OSMW-9D-120715 — Lab Sample ID: 480-92306-7

Date Collected: 12/07/15 11:05 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 04:11	GTG	TAL BUF

Client Sample ID: OSMW-11D-120715 — Lab Sample ID: 480-92306-8

Date Collected: 12/07/15 11:35 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280474	12/18/15 15:47	SWO	TAL BUF

Client Sample ID: OSMW-11S-120715 — Lab Sample ID: 480-92306-9

Date Collected: 12/07/15 11:45 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	280407	12/18/15 05:03	GTG	TAL BUF

Client Sample ID: OSMW-11P-120715 — Lab Sample ID: 480-92306-10

Date Collected: 12/07/15 11:52 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 05:29	GTG	TAL BUF

Client Sample ID: OSMW-13P-120715 — Lab Sample ID: 480-92306-11

Date Collected: 12/07/15 12:09 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 05:55	GTG	TAL BUF

Client Sample ID: OSMW-12P-120715 — Lab Sample ID: 480-92306-12

Date Collected: 12/07/15 12:30 — **Matrix: Water**
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 06:20	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Client Sample ID: DUP-01-120715

Lab Sample ID: 480-92306-13
Date Collected: 12/07/15 12:00
Matrix: Water
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 06:46	GTG	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-92306-14
Date Collected: 12/07/15 00:00
Matrix: Water
Date Received: 12/08/15 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280407	12/18/15 07:12	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-15 *
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Aviation IRM

TestAmerica Job ID: 480-92306-1
SDG: 480-92306-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92306-1	AF-11D-120715	Water	12/07/15 09:07	12/08/15 09:30
480-92306-2	AF-11S-120715	Water	12/07/15 09:20	12/08/15 09:30
480-92306-3	PMW-4D-120715	Water	12/07/15 10:02	12/08/15 09:30
480-92306-4	AF-13P-120715	Water	12/07/15 10:20	12/08/15 09:30
480-92306-5	AF-13S-120715	Water	12/07/15 10:30	12/08/15 09:30
480-92306-6	OSMW-9S-120715	Water	12/07/15 10:55	12/08/15 09:30
480-92306-7	OSMW-9D-120715	Water	12/07/15 11:05	12/08/15 09:30
480-92306-8	OSMW-11D-120715	Water	12/07/15 11:35	12/08/15 09:30
480-92306-9	OSMW-11S-120715	Water	12/07/15 11:45	12/08/15 09:30
480-92306-10	OSMW-11P-120715	Water	12/07/15 11:52	12/08/15 09:30
480-92306-11	OSMW-13P-120715	Water	12/07/15 12:09	12/08/15 09:30
480-92306-12	OSMW-12P-120715	Water	12/07/15 12:30	12/08/15 09:30
480-92306-13	DUP-01-120715	Water	12/07/15 12:00	12/08/15 09:30
480-92306-14	Trip Blank	Water	12/07/15 00:00	12/08/15 09:30

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAme

THE LEADER IN ENVIRONMENTAL TESTING

480-92306 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
O'Brien & Gere	Rick Boone	12/7/15	291889
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
8805 Governor's Hill Dr. Ste. 164	513-697-2020		

City	State	Zip Code	Site Contact	Lab Contact
Cincinnati	OH	45249	Terra Dalton	John Schove

Project Name and Location (State): GE Aviation IRM, Evendale, OH

Carrier/Waybill Number: 7003-1337-6401

Contract/Purchase Order/Quote No.: —

Analysis (Attach list if more space is needed): 8260B

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260B	Special Instructions/ Conditions of Receipt
AF-11D-120715	12/7/15	907		X						9			X	*extra MS/MSD volume*
AF-11S-120715		920		X						3			X	*limited volume available*
PMW-4D-120715		1002		X						3			X	
AF-13P-120715		1020		X						3			X	
AF-13S-120715		1030		X						3			X	
OSMW-9S-120715		1055		X						3			X	
OSMW-9D-120715		1105		X						3			X	
OSMW-11D-120715		1135		X						3			X	
OSMW-11S-120715		1145		X						3			X	
OSMW-11P-120715		1152		X						3			X	
OSMW-13P-120715		1209		X						3			X	
OSMW-12P-120715		1230		X						3			X	

Cincinnati 210501

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

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

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

QC Requirements (Specify): Level III Data Pkg

	Date	Time		Date	Time
1. Relinquished By: Terra Dalton	12/7/15	1300	1. Received By: [signature]	12/7/15	1300
2. Relinquished By: [signature]	12/7/15	1305	2. Received By: [signature]	12/8/15	0930
3. Relinquished By			3. Received By		

Comments: 2nd #1

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

[redacted]

48003453

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Rick Boone	Date: 12/7/15	Chain of Custody Number: 291888
Address: 8805 Governor's Hill Dr. Ste. 164	Telephone Number (Area Code)/Fax Number: 513-697-2020	Lab Number	Page 2 of 2
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Terra Dalton	Lab Contact: John Schere	
Project Name and Location (State): GE Aviation IRM, Evendale, OH	Carrier/Waybill Number: 7003-1337-6401		
Contract/Purchase Order/Quote No.: —			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis: 8260B
DUP-01-120715	12/7/15	1200		X							3				X
TRIP BLANK	12/7/15	—		X							1				X

Special Instructions/ Conditions of Receipt

Cincinnati 210501

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

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

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

QC Requirements (Specify): Level III Data Pkg.

1. Relinquished By: Terra Dalton	Date: 12/7/15	Time: 1300	1. Received By: [illegible]	Date: 12/7/15	Time: 1300
2. Relinquished By: [illegible]	Date: 12/7/15	Time: 1305	2. Received By: [illegible]	Date: 12/8/15	Time: 0930
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.4 #1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-92306-1
SDG Number: 480-92306-1

Login Number: 92306
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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	
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	O'BRIEN & GERE
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-92879-1
TestAmerica Sample Delivery Group: 480-92879-1
Client Project/Site: GE Evendale - IRM Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
1/5/2016 3:30:43 PM

John Schove, Project Manager II
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LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-92879-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92879-1

Comments
No additional comments.

Receipt
The samples were received on 12/17/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method(s) 8260C: The following samples were analyzed outside of analytical holding time due to an instrument malfunction: TRIP BLANK 121615 (480-92879-1), INFLUENT 121615 (480-92879-2), MIXING TANK 121615 (480-92879-3) and EFFLUENT 121615 (480-92879-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-281930 recovered outside acceptance criteria, low biased, for 2-Hexanone and 4-Methyl-2-pentanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: TRIP BLANK 121615 (480-92879-1), INFLUENT 121615 (480-92879-2), MIXING TANK 121615 (480-92879-3) and EFFLUENT 121615 (480-92879-4)

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT 121615 (480-92879-2) and MIXING TANK 121615 (480-92879-3). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Client Sample ID: TRIP BLANK 121615 — Lab Sample ID: 480-92879-1

No Detections.

Client Sample ID: INFLUENT 121615 — Lab Sample ID: 480-92879-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	37	H	2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	7.9	H	2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.4	H	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	50	H	2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.93	J H	2.0	0.72	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.3	H	2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	150	H	2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	1.8	J H	2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: MIXING TANK 121615 — Lab Sample ID: 480-92879-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33	H	2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	7.6	H	2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.9	J H	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	45	H	2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.84	J H	2.0	0.72	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	5.6	H	2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	130	H	2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: EFFLUENT 121615 — Lab Sample ID: 480-92879-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Client Sample ID: TRIP BLANK 121615

Lab Sample ID: 480-92879-1

Date Collected: 12/16/15 00:00
Matrix: Water
Date Received: 12/17/15 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.0	0.82	ug/L			12/31/15 01:09	1
1,1,2,2-Tetrachloroethane	ND	H	1.0	0.21	ug/L			12/31/15 01:09	1
1,1,2-Trichloroethane	ND	H	1.0	0.23	ug/L			12/31/15 01:09	1
1,1-Dichloroethane	ND	H	1.0	0.38	ug/L			12/31/15 01:09	1
1,1-Dichloroethene	ND	H	1.0	0.29	ug/L			12/31/15 01:09	1
1,2-Dichloroethane	ND	H	1.0	0.21	ug/L			12/31/15 01:09	1
1,2-Dichloropropane	ND	H	1.0	0.72	ug/L			12/31/15 01:09	1
2-Hexanone	ND	H	5.0	1.2	ug/L			12/31/15 01:09	1
2-Butanone (MEK)	ND	H	10	1.3	ug/L			12/31/15 01:09	1
4-Methyl-2-pentanone (MIBK)	ND	H	5.0	2.1	ug/L			12/31/15 01:09	1
Acetone	ND	H	10	3.0	ug/L			12/31/15 01:09	1
Benzene	ND	H	1.0	0.41	ug/L			12/31/15 01:09	1
Bromodichloromethane	ND	H	1.0	0.39	ug/L			12/31/15 01:09	1
Bromoform	ND	H	1.0	0.26	ug/L			12/31/15 01:09	1
Bromomethane	ND	H	1.0	0.69	ug/L			12/31/15 01:09	1
Carbon disulfide	ND	H	1.0	0.19	ug/L			12/31/15 01:09	1
Carbon tetrachloride	ND	H	1.0	0.27	ug/L			12/31/15 01:09	1
Chlorobenzene	ND	H	1.0	0.75	ug/L			12/31/15 01:09	1
Dibromochloromethane	ND	H	1.0	0.32	ug/L			12/31/15 01:09	1
Chloroethane	ND	H	1.0	0.32	ug/L			12/31/15 01:09	1
Chloroform	ND	H	1.0	0.34	ug/L			12/31/15 01:09	1
Chloromethane	ND	H	1.0	0.35	ug/L			12/31/15 01:09	1
cis-1,2-Dichloroethene	ND	H	1.0	0.81	ug/L			12/31/15 01:09	1
cis-1,3-Dichloropropene	ND	H	1.0	0.36	ug/L			12/31/15 01:09	1
Ethylbenzene	ND	H	1.0	0.74	ug/L			12/31/15 01:09	1
Methylene Chloride	ND	H	1.0	0.44	ug/L			12/31/15 01:09	1
Styrene	ND	H	1.0	0.73	ug/L			12/31/15 01:09	1
Tetrachloroethene	ND	H	1.0	0.36	ug/L			12/31/15 01:09	1
Toluene	ND	H	1.0	0.51	ug/L			12/31/15 01:09	1
trans-1,2-Dichloroethene	ND	H	1.0	0.90	ug/L			12/31/15 01:09	1
trans-1,3-Dichloropropene	ND	H	1.0	0.37	ug/L			12/31/15 01:09	1
Trichloroethene	ND	H	1.0	0.46	ug/L			12/31/15 01:09	1
Vinyl chloride	ND	H	1.0	0.90	ug/L			12/31/15 01:09	1
Xylenes, Total	ND	H	2.0	0.66	ug/L			12/31/15 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/31/15 01:09*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*12/31/15 01:09*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/31/15 01:09*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/31/15 01:09*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Client Sample ID: INFLUENT 121615

Lab Sample ID: 480-92879-2

Date Collected: 12/16/15 06:45
Matrix: Water
Date Received: 12/17/15 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**37**	**H**	2.0	1.6	ug/L			12/31/15 02:26	2
1,1,2,2-Tetrachloroethane	ND	H	2.0	0.42	ug/L			12/31/15 02:26	2
1,1,2-Trichloroethane	ND	H	2.0	0.46	ug/L			12/31/15 02:26	2
1,1-Dichloroethane	**7.9**	**H**	2.0	0.76	ug/L			12/31/15 02:26	2
1,1-Dichloroethene	**2.4**	**H**	2.0	0.58	ug/L			12/31/15 02:26	2
1,2-Dichloroethane	ND	H	2.0	0.42	ug/L			12/31/15 02:26	2
1,2-Dichloropropane	ND	H	2.0	1.4	ug/L			12/31/15 02:26	2
2-Hexanone	ND	H	10	2.5	ug/L			12/31/15 02:26	2
2-Butanone (MEK)	ND	H	20	2.6	ug/L			12/31/15 02:26	2
4-Methyl-2-pentanone (MIBK)	ND	H	10	4.2	ug/L			12/31/15 02:26	2
Acetone	ND	H	20	6.0	ug/L			12/31/15 02:26	2
Benzene	ND	H	2.0	0.82	ug/L			12/31/15 02:26	2
Bromodichloromethane	ND	H	2.0	0.78	ug/L			12/31/15 02:26	2
Bromoform	ND	H	2.0	0.52	ug/L			12/31/15 02:26	2
Bromomethane	ND	H	2.0	1.4	ug/L			12/31/15 02:26	2
Carbon disulfide	ND	H	2.0	0.38	ug/L			12/31/15 02:26	2
Carbon tetrachloride	ND	H	2.0	0.54	ug/L			12/31/15 02:26	2
Chlorobenzene	ND	H	2.0	1.5	ug/L			12/31/15 02:26	2
Dibromochloromethane	ND	H	2.0	0.64	ug/L			12/31/15 02:26	2
Chloroethane	ND	H	2.0	0.64	ug/L			12/31/15 02:26	2
Chloroform	ND	H	2.0	0.68	ug/L			12/31/15 02:26	2
Chloromethane	ND	H	2.0	0.70	ug/L			12/31/15 02:26	2
cis-1,2-Dichloroethene	**50**	**H**	2.0	1.6	ug/L			12/31/15 02:26	2
cis-1,3-Dichloropropene	ND	H	2.0	0.72	ug/L			12/31/15 02:26	2
Ethylbenzene	ND	H	2.0	1.5	ug/L			12/31/15 02:26	2
Methylene Chloride	ND	H	2.0	0.88	ug/L			12/31/15 02:26	2
Styrene	ND	H	2.0	1.5	ug/L			12/31/15 02:26	2
Tetrachloroethene	**0.93**	**J H**	2.0	0.72	ug/L			12/31/15 02:26	2
Toluene	ND	H	2.0	1.0	ug/L			12/31/15 02:26	2
trans-1,2-Dichloroethene	**7.3**	**H**	2.0	1.8	ug/L			12/31/15 02:26	2
trans-1,3-Dichloropropene	ND	H	2.0	0.74	ug/L			12/31/15 02:26	2
Trichloroethene	**150**	**H**	2.0	0.92	ug/L			12/31/15 02:26	2
Vinyl chloride	**1.8**	**J H**	2.0	1.8	ug/L			12/31/15 02:26	2
Xylenes, Total	ND	H	4.0	1.3	ug/L			12/31/15 02:26	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/31/15 02:26*	*2*
Toluene-d8 (Surr)	*104*		*71 - 126*		*12/31/15 02:26*	*2*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/31/15 02:26*	*2*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*12/31/15 02:26*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Client Sample ID: MIXING TANK 121615

Lab Sample ID: 480-92879-3

Date Collected: 12/16/15 06:42
Matrix: Water
Date Received: 12/17/15 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**33**	**H**	2.0	1.6	ug/L			12/31/15 02:00	2
1,1,2,2-Tetrachloroethane	ND	H	2.0	0.42	ug/L			12/31/15 02:00	2
1,1,2-Trichloroethane	ND	H	2.0	0.46	ug/L			12/31/15 02:00	2
1,1-Dichloroethane	**7.6**	**H**	2.0	0.76	ug/L			12/31/15 02:00	2
1,1-Dichloroethene	**1.9**	**J H**	2.0	0.58	ug/L			12/31/15 02:00	2
1,2-Dichloroethane	ND	H	2.0	0.42	ug/L			12/31/15 02:00	2
1,2-Dichloropropane	ND	H	2.0	1.4	ug/L			12/31/15 02:00	2
2-Hexanone	ND	H	10	2.5	ug/L			12/31/15 02:00	2
2-Butanone (MEK)	ND	H	20	2.6	ug/L			12/31/15 02:00	2
4-Methyl-2-pentanone (MIBK)	ND	H	10	4.2	ug/L			12/31/15 02:00	2
Acetone	ND	H	20	6.0	ug/L			12/31/15 02:00	2
Benzene	ND	H	2.0	0.82	ug/L			12/31/15 02:00	2
Bromodichloromethane	ND	H	2.0	0.78	ug/L			12/31/15 02:00	2
Bromoform	ND	H	2.0	0.52	ug/L			12/31/15 02:00	2
Bromomethane	ND	H	2.0	1.4	ug/L			12/31/15 02:00	2
Carbon disulfide	ND	H	2.0	0.38	ug/L			12/31/15 02:00	2
Carbon tetrachloride	ND	H	2.0	0.54	ug/L			12/31/15 02:00	2
Chlorobenzene	ND	H	2.0	1.5	ug/L			12/31/15 02:00	2
Dibromochloromethane	ND	H	2.0	0.64	ug/L			12/31/15 02:00	2
Chloroethane	ND	H	2.0	0.64	ug/L			12/31/15 02:00	2
Chloroform	ND	H	2.0	0.68	ug/L			12/31/15 02:00	2
Chloromethane	ND	H	2.0	0.70	ug/L			12/31/15 02:00	2
cis-1,2-Dichloroethene	**45**	**H**	2.0	1.6	ug/L			12/31/15 02:00	2
cis-1,3-Dichloropropene	ND	H	2.0	0.72	ug/L			12/31/15 02:00	2
Ethylbenzene	ND	H	2.0	1.5	ug/L			12/31/15 02:00	2
Methylene Chloride	ND	H	2.0	0.88	ug/L			12/31/15 02:00	2
Styrene	ND	H	2.0	1.5	ug/L			12/31/15 02:00	2
Tetrachloroethene	**0.84**	**J H**	2.0	0.72	ug/L			12/31/15 02:00	2
Toluene	ND	H	2.0	1.0	ug/L			12/31/15 02:00	2
trans-1,2-Dichloroethene	**5.6**	**H**	2.0	1.8	ug/L			12/31/15 02:00	2
trans-1,3-Dichloropropene	ND	H	2.0	0.74	ug/L			12/31/15 02:00	2
Trichloroethene	**130**	**H**	2.0	0.92	ug/L			12/31/15 02:00	2
Vinyl chloride	ND	H	2.0	1.8	ug/L			12/31/15 02:00	2
Xylenes, Total	ND	H	4.0	1.3	ug/L			12/31/15 02:00	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*12/31/15 02:00*	*2*
Toluene-d8 (Surr)	*104*		*71 - 126*		*12/31/15 02:00*	*2*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/31/15 02:00*	*2*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*12/31/15 02:00*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Client Sample ID: EFFLUENT 121615

Lab Sample ID: 480-92879-4

Date Collected: 12/16/15 06:35
Matrix: Water
Date Received: 12/17/15 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	H	1.0	0.82	ug/L			12/31/15 01:35	1
1,1,2,2-Tetrachloroethane	ND	H	1.0	0.21	ug/L			12/31/15 01:35	1
1,1,2-Trichloroethane	ND	H	1.0	0.23	ug/L			12/31/15 01:35	1
1,1-Dichloroethane	ND	H	1.0	0.38	ug/L			12/31/15 01:35	1
1,1-Dichloroethene	ND	H	1.0	0.29	ug/L			12/31/15 01:35	1
1,2-Dichloroethane	ND	H	1.0	0.21	ug/L			12/31/15 01:35	1
1,2-Dichloropropane	ND	H	1.0	0.72	ug/L			12/31/15 01:35	1
2-Hexanone	ND	H	5.0	1.2	ug/L			12/31/15 01:35	1
2-Butanone (MEK)	ND	H	10	1.3	ug/L			12/31/15 01:35	1
4-Methyl-2-pentanone (MIBK)	ND	H	5.0	2.1	ug/L			12/31/15 01:35	1
Acetone	ND	H	10	3.0	ug/L			12/31/15 01:35	1
Benzene	ND	H	1.0	0.41	ug/L			12/31/15 01:35	1
Bromodichloromethane	ND	H	1.0	0.39	ug/L			12/31/15 01:35	1
Bromoform	ND	H	1.0	0.26	ug/L			12/31/15 01:35	1
Bromomethane	ND	H	1.0	0.69	ug/L			12/31/15 01:35	1
Carbon disulfide	ND	H	1.0	0.19	ug/L			12/31/15 01:35	1
Carbon tetrachloride	ND	H	1.0	0.27	ug/L			12/31/15 01:35	1
Chlorobenzene	ND	H	1.0	0.75	ug/L			12/31/15 01:35	1
Dibromochloromethane	ND	H	1.0	0.32	ug/L			12/31/15 01:35	1
Chloroethane	ND	H	1.0	0.32	ug/L			12/31/15 01:35	1
Chloroform	ND	H	1.0	0.34	ug/L			12/31/15 01:35	1
Chloromethane	ND	H	1.0	0.35	ug/L			12/31/15 01:35	1
cis-1,2-Dichloroethene	ND	H	1.0	0.81	ug/L			12/31/15 01:35	1
cis-1,3-Dichloropropene	ND	H	1.0	0.36	ug/L			12/31/15 01:35	1
Ethylbenzene	ND	H	1.0	0.74	ug/L			12/31/15 01:35	1
Methylene Chloride	ND	H	1.0	0.44	ug/L			12/31/15 01:35	1
Styrene	ND	H	1.0	0.73	ug/L			12/31/15 01:35	1
Tetrachloroethene	ND	H	1.0	0.36	ug/L			12/31/15 01:35	1
Toluene	ND	H	1.0	0.51	ug/L			12/31/15 01:35	1
trans-1,2-Dichloroethene	ND	H	1.0	0.90	ug/L			12/31/15 01:35	1
trans-1,3-Dichloropropene	ND	H	1.0	0.37	ug/L			12/31/15 01:35	1
Trichloroethene	ND	H	1.0	0.46	ug/L			12/31/15 01:35	1
Vinyl chloride	ND	H	1.0	0.90	ug/L			12/31/15 01:35	1
Xylenes, Total	ND	H	2.0	0.66	ug/L			12/31/15 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/31/15 01:35*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*12/31/15 01:35*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*12/31/15 01:35*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*12/31/15 01:35*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-92879-1	TRIP BLANK 121615	99	102	107	106
480-92879-2	INFLUENT 121615	98	104	108	107
480-92879-3	MIXING TANK 121615	96	104	107	107
480-92879-4	EFFLUENT 121615	97	103	107	109
LCS 480-281930/4	Lab Control Sample	98	107	113	109
MB 480-281930/6	Method Blank	99	102	108	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-281930/6
Matrix: Water
Analysis Batch: 281930

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/31/15 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/31/15 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/31/15 00:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/31/15 00:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/31/15 00:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/31/15 00:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/31/15 00:28	1
2-Hexanone	ND		5.0	1.2	ug/L			12/31/15 00:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/31/15 00:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/31/15 00:28	1
Acetone	ND		10	3.0	ug/L			12/31/15 00:28	1
Benzene	ND		1.0	0.41	ug/L			12/31/15 00:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/31/15 00:28	1
Bromoform	ND		1.0	0.26	ug/L			12/31/15 00:28	1
Bromomethane	ND		1.0	0.69	ug/L			12/31/15 00:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/31/15 00:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/31/15 00:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/31/15 00:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/31/15 00:28	1
Chloroethane	ND		1.0	0.32	ug/L			12/31/15 00:28	1
Chloroform	ND		1.0	0.34	ug/L			12/31/15 00:28	1
Chloromethane	ND		1.0	0.35	ug/L			12/31/15 00:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/31/15 00:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/31/15 00:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/31/15 00:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/31/15 00:28	1
Styrene	ND		1.0	0.73	ug/L			12/31/15 00:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/31/15 00:28	1
Toluene	ND		1.0	0.51	ug/L			12/31/15 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/31/15 00:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/31/15 00:28	1
Trichloroethene	ND		1.0	0.46	ug/L			12/31/15 00:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/31/15 00:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/31/15 00:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/31/15 00:28*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*12/31/15 00:28*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/31/15 00:28*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/31/15 00:28*	*1*

Lab Sample ID: LCS 480-281930/4
Matrix: Water
Analysis Batch: 281930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.6		ug/L		90	70 - 126

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

Lab Sample ID: LCS 480-281930/4
Matrix: Water
Analysis Batch: 281930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	24.7		ug/L		99	58 - 121
1,2-Dichloroethane	25.0	21.4		ug/L		85	75 - 127
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
2-Hexanone	125	104		ug/L		83	65 - 127
2-Butanone (MEK)	125	109		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	104		ug/L		84	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	23.6		ug/L		94	80 - 122
Bromoform	25.0	26.0		ug/L		104	52 - 132
Bromomethane	25.0	26.3		ug/L		105	55 - 144
Carbon disulfide	25.0	25.1		ug/L		100	59 - 134
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134
Chlorobenzene	25.0	25.6		ug/L		103	72 - 120
Dibromochloromethane	25.0	24.0		ug/L		96	75 - 125
Chloroethane	25.0	25.1		ug/L		101	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	19.3		ug/L		77	68 - 124
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
Methylene Chloride	25.0	26.5		ug/L		106	57 - 132
Styrene	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	27.5		ug/L		110	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	72 - 123
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Vinyl chloride	25.0	20.6		ug/L		82	65 - 133
Xylenes, Total	50.0	50.6		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
Toluene-d8 (Surr)	*107*		*71 - 126*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*60 - 140*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

GC/MS VOA

Analysis Batch: 281930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92879-1	TRIP BLANK 121615	Total/NA	Water	8260C	
480-92879-2	INFLUENT 121615	Total/NA	Water	8260C	
480-92879-3	MIXING TANK 121615	Total/NA	Water	8260C	
480-92879-4	EFFLUENT 121615	Total/NA	Water	8260C	
LCS 480-281930/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-281930/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Client Sample ID: TRIP BLANK 121615 — Lab Sample ID: 480-92879-1

Date Collected: 12/16/15 00:00 — **Matrix: Water**
Date Received: 12/17/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	281930	12/31/15 01:09	GVF	TAL BUF

Client Sample ID: INFLUENT 121615 — Lab Sample ID: 480-92879-2

Date Collected: 12/16/15 06:45 — **Matrix: Water**
Date Received: 12/17/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	281930	12/31/15 02:26	GVF	TAL BUF

Client Sample ID: MIXING TANK 121615 — Lab Sample ID: 480-92879-3

Date Collected: 12/16/15 06:42 — **Matrix: Water**
Date Received: 12/17/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	281930	12/31/15 02:00	GVF	TAL BUF

Client Sample ID: EFFLUENT 121615 — Lab Sample ID: 480-92879-4

Date Collected: 12/16/15 06:35 — **Matrix: Water**
Date Received: 12/17/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	281930	12/31/15 01:35	GVF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16
Georgia	State Program	4	956	03-31-16
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	01-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-15 *
Kentucky (UST)	State Program	4	30	03-31-16
Kentucky (WW)	State Program	4	90029	12-31-15 *
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16
North Dakota	State Program	8	R-176	03-31-16
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-15 *
Tennessee	State Program	4	TN02970	03-31-16
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-16 *
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Evendale - IRM Weekly

TestAmerica Job ID: 480-92879-1
SDG: 480-92879-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92879-1	TRIP BLANK 121615	Water	12/16/15 00:00	12/17/15 09:45
480-92879-2	INFLUENT 121615	Water	12/16/15 06:45	12/17/15 09:45
480-92879-3	MIXING TANK 121615	Water	12/16/15 06:42	12/17/15 09:45
480-92879-4	EFFLUENT 121615	Water	12/16/15 06:35	12/17/15 09:45

Chain of Custody Record

Buffalo

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmer
THE LEADER IN ENVIRONMENT

480-92879 Chain of Custody

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 12-16-15	Chain of Custody Number: 291611
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-804-1220	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE-IRM OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 113111 27			

Analysis (Attach list if more space is needed): VOCs (8260B)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOCs (8260B)
Trip Blank	12-16-15			X					2				X
Influent 12 16 15		6:45		X					3				X
Mixing Tank 12 16 15		6:42		X					3				X
Effluent 12 16 15		6:35		X					3				X

Cincinnati
210501

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

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

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

QC Requirements (Specify)

1. Relinquished By: Mike McLaughlin	Date: 12/16/15	Time: 10:46	1. Received By: [signature]	Date: 12/16/15	Time: 1046
2. Relinquished By: [signature]	Date: 12/16/15	Time: 1046	2. Received By: [signature]	Date: 12/17/15	Time: 0945
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

3.8 #1

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-92879-1
SDG Number: 480-92879-1

Login Number: 92879
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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	
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	OBG
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	

Appendix C

Field Parameters and Total VOC Concentration Plots for Selected Monitoring Wells

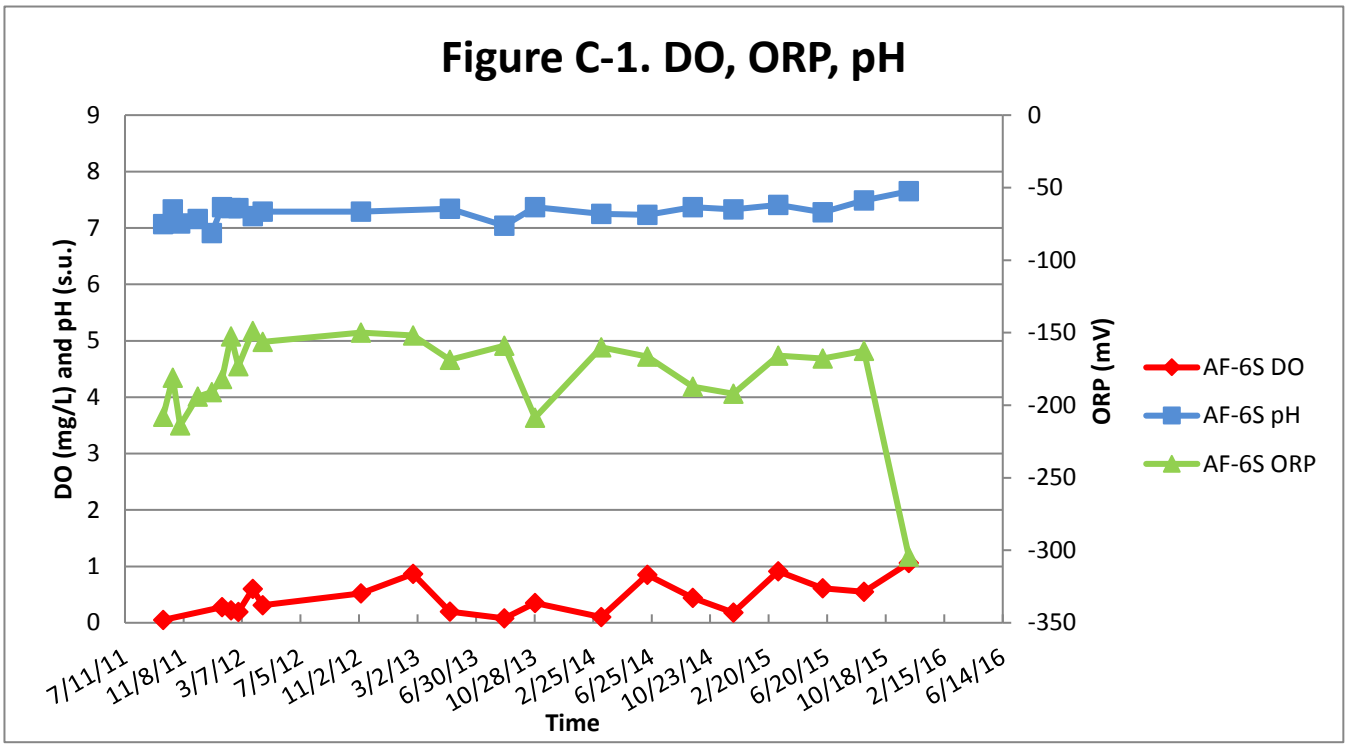
Figure C-1. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-6S DO
AF-6S pH
AF-6S ORP
9
8
7
6
5
4
3
2
1
0
0
-50
-100
-150
-200
-250
-300
-350
7/11/11
11/8/11
3/7/12
7/5/12
11/2/12
3/2/13
6/30/13
10/28/13
2/25/14
6/25/14
10/23/14
2/20/15
6/20/15
10/18/15
2/15/16
6/14/16

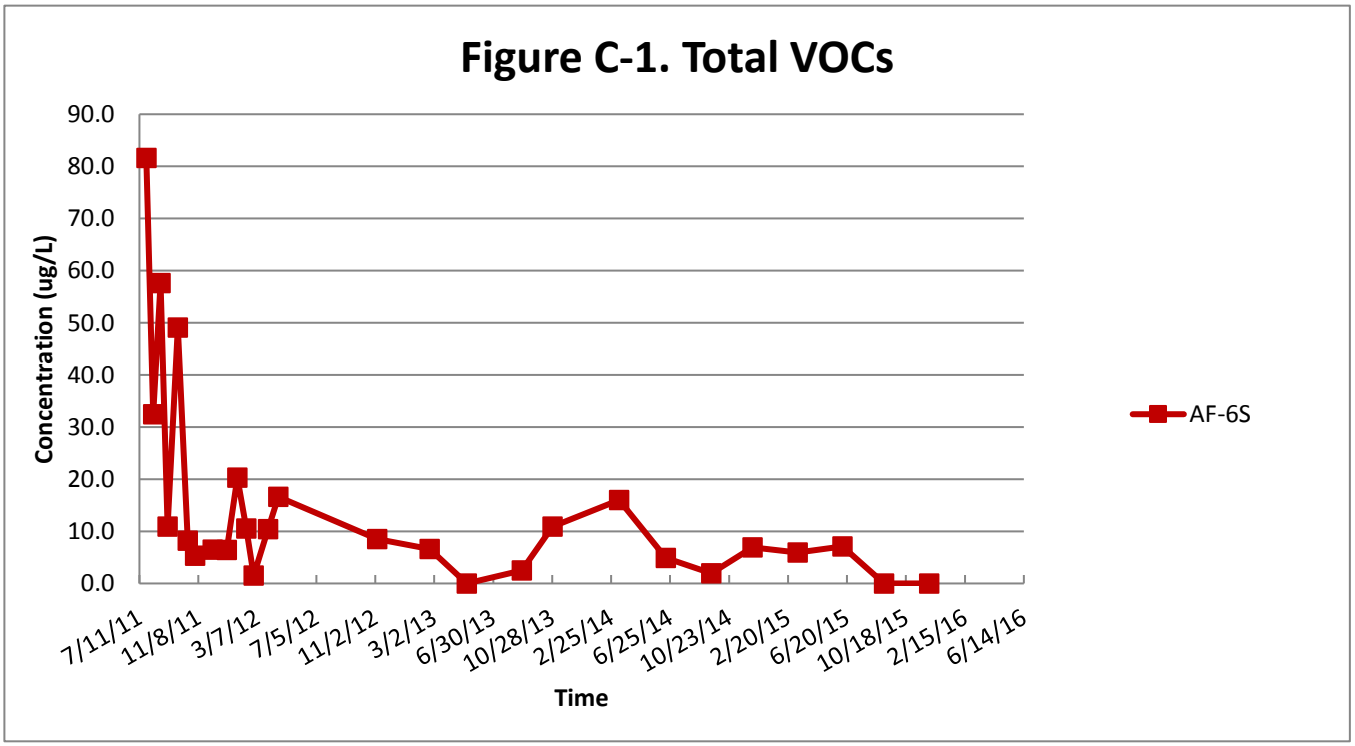
Figure C-1. Total VOCs
Concentration (ug/L)
Time
AF-6S
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
7/11/11
11/8/11
3/7/12
7/5/12
11/2/12
3/2/13
6/30/13
10/28/13
2/25/14
6/25/14
10/23/14
2/20/15
6/20/15
10/18/15
2/15/16
6/14/16

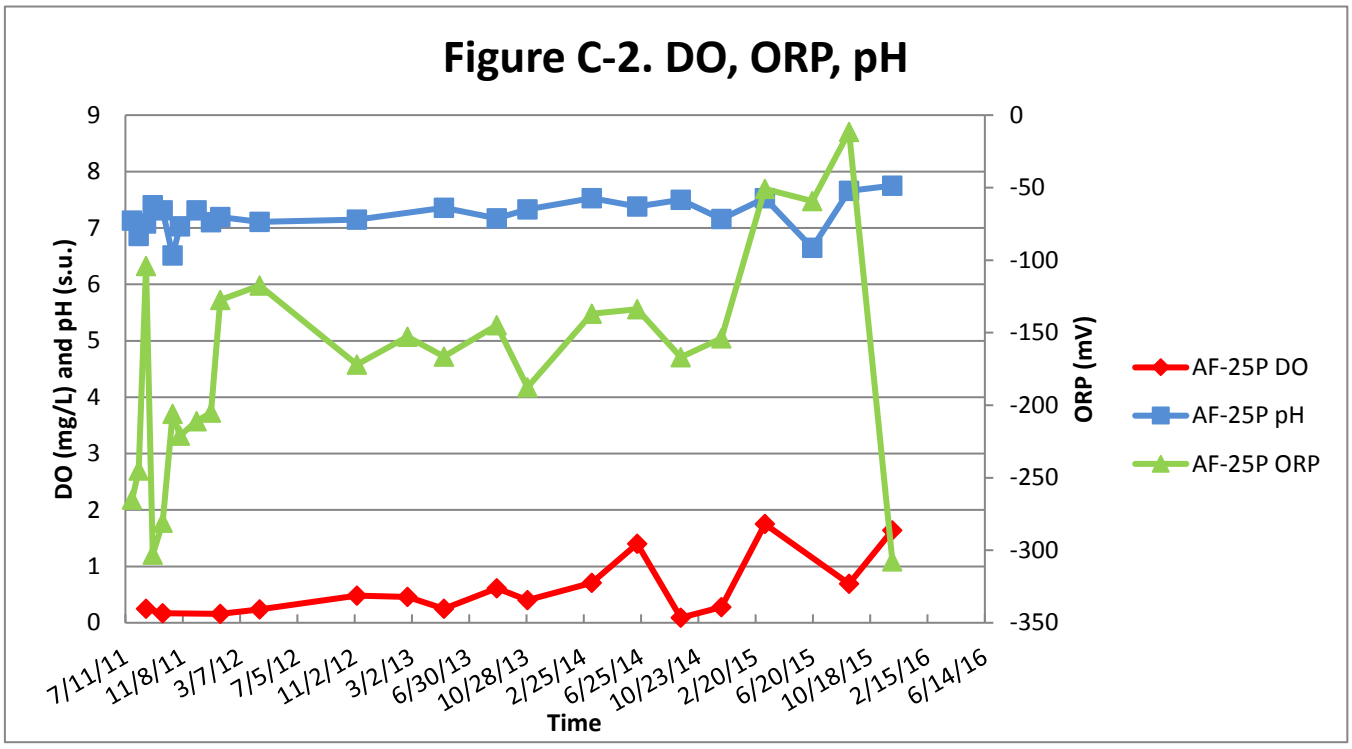
Figure C-2. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-25P DO
AF-25P pH
AF-25P ORP

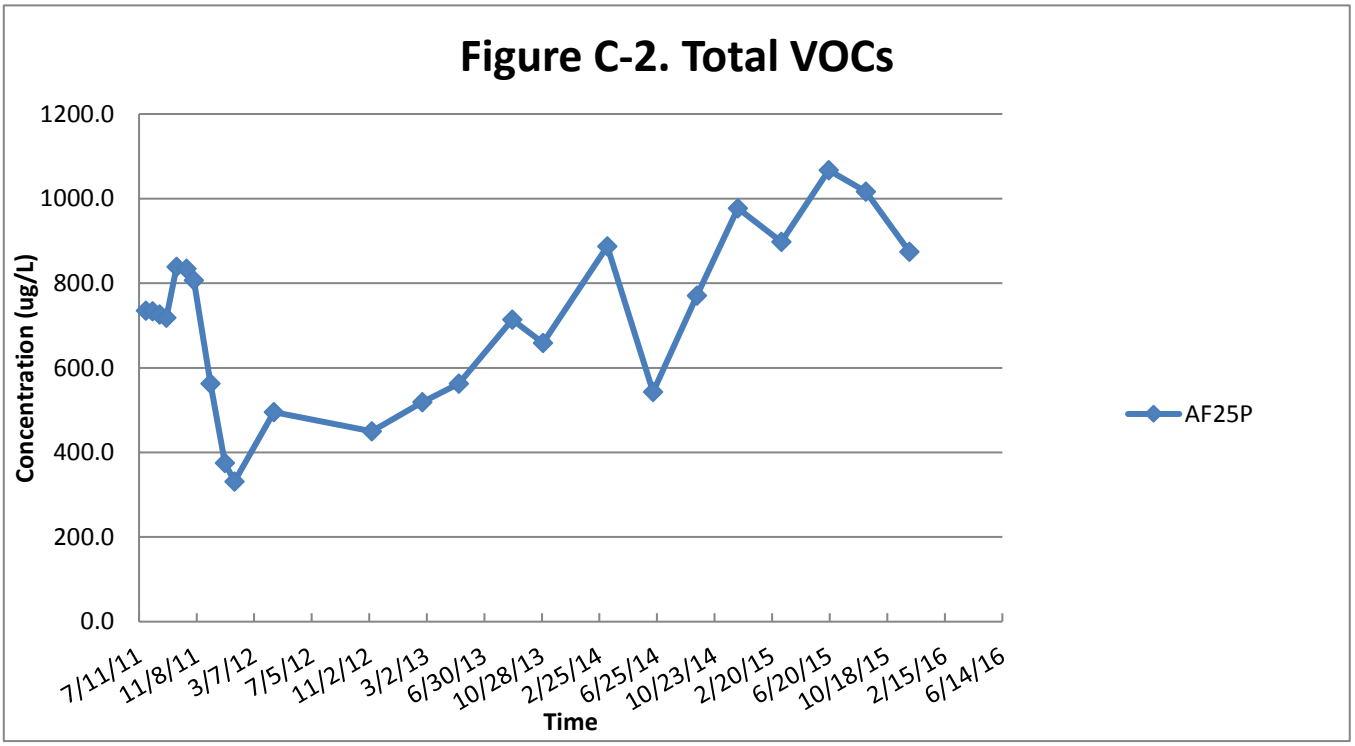
Figure C-2. Total VOCs
Concentration (ug/L)
Time
AF25P

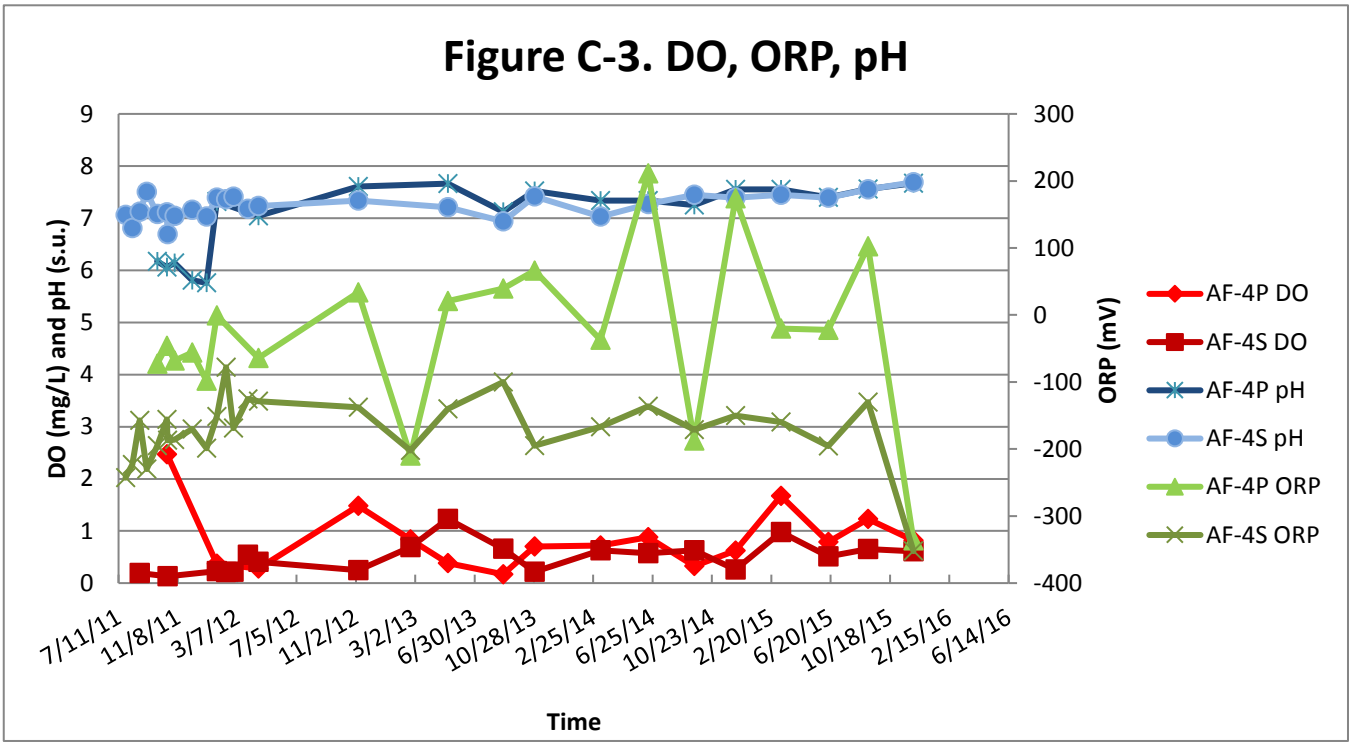
Figure C-3. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-4P DO
AF-4S DO
AF-4P pH
AF-4S pH
AF-4P ORP
AF-4S ORP

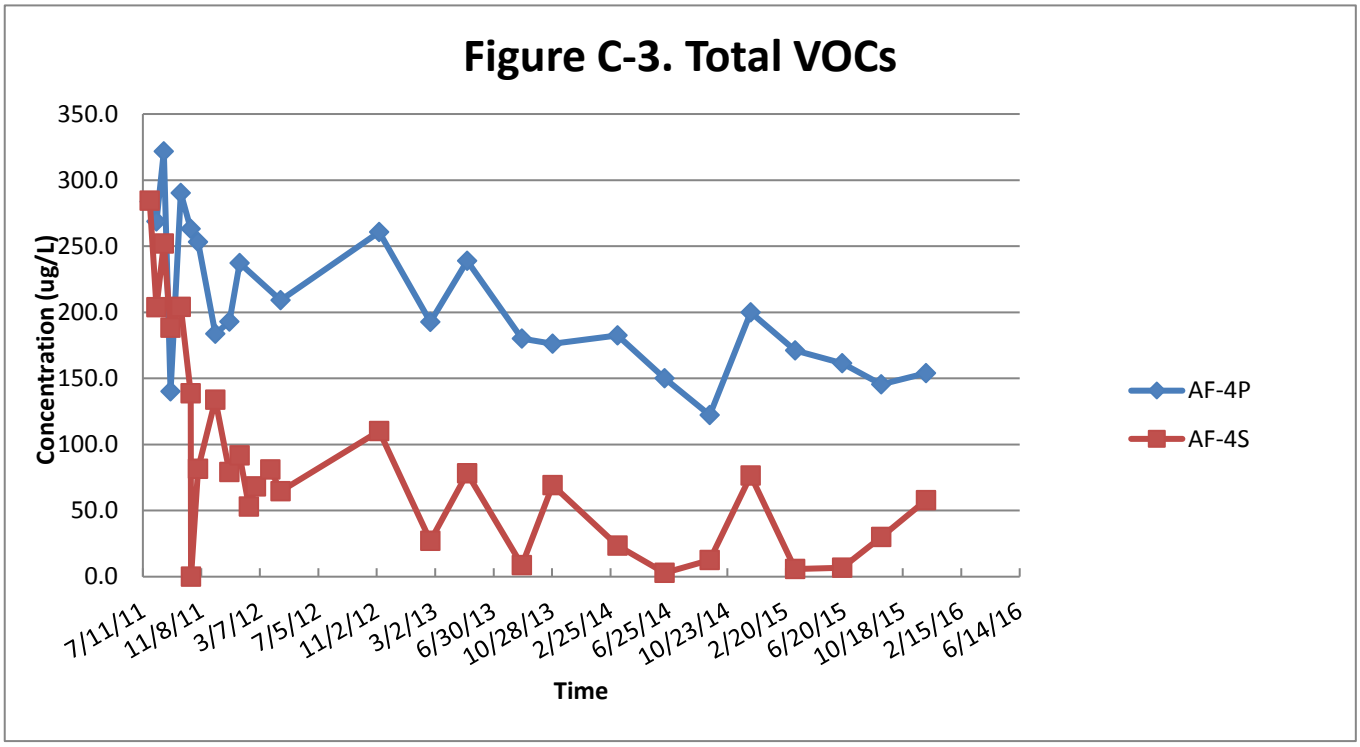
Figure C-3. Total VOCs
Concentration (ug/L)
Time
AF-4P
AF-4S

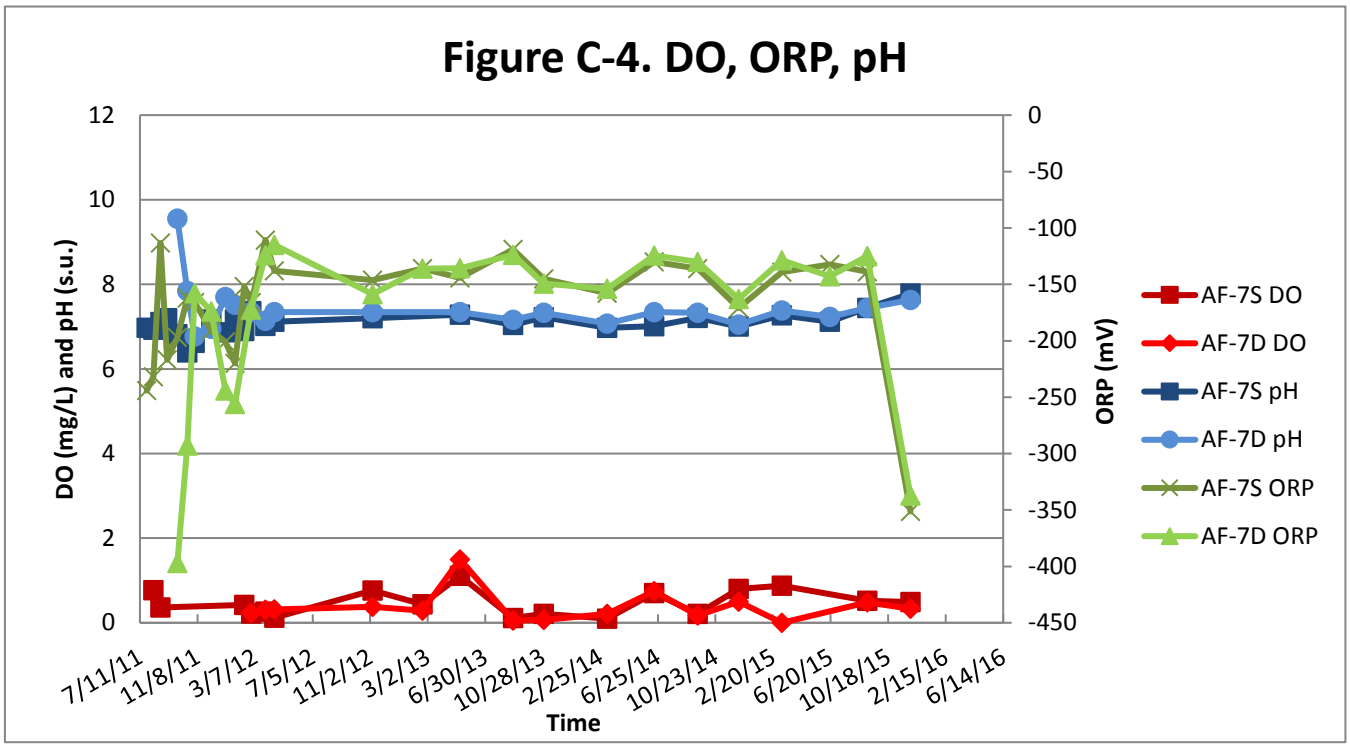
Figure C-4. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-7S DO
AF-7D DO
AF-7S pH
AF-7D pH
AF-7S ORP
AF-7D ORP

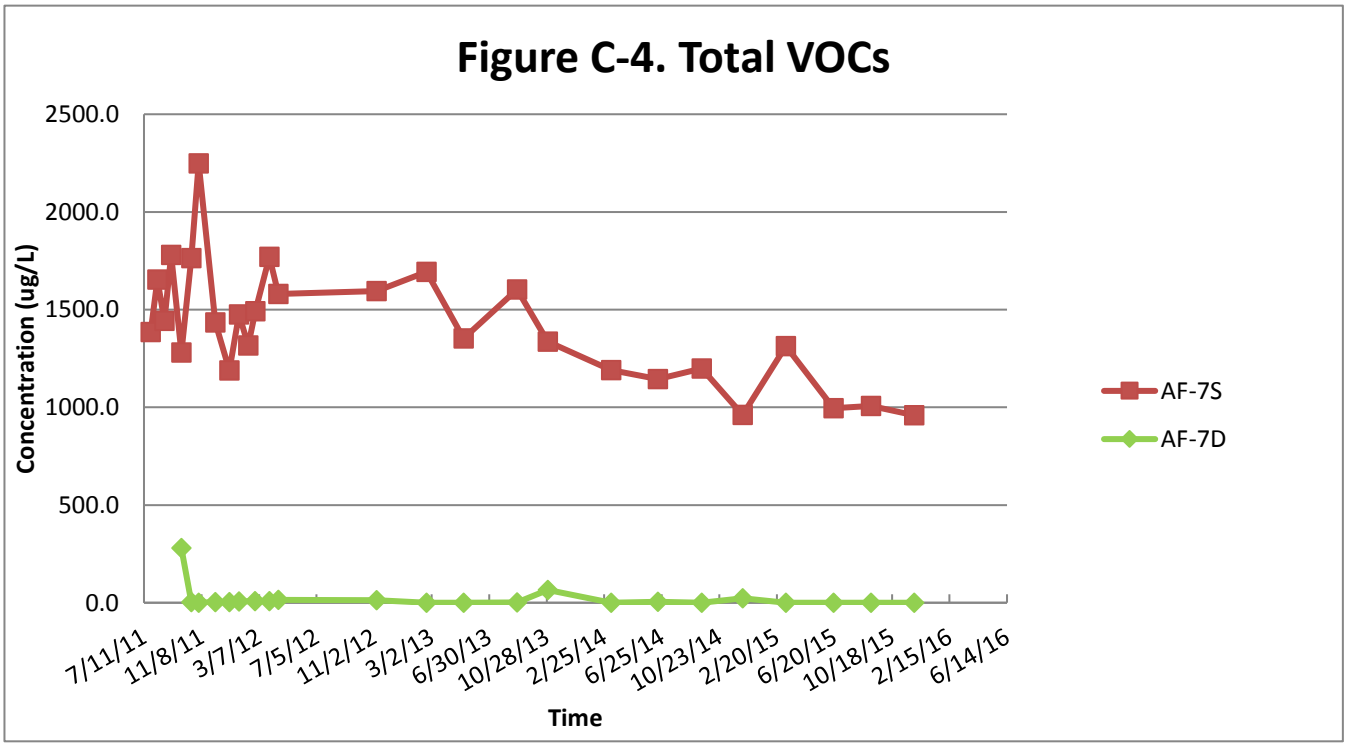
Figure C-4. Total VOCs
Concentration (ug/L)
Time
AF-7S
AF-7D

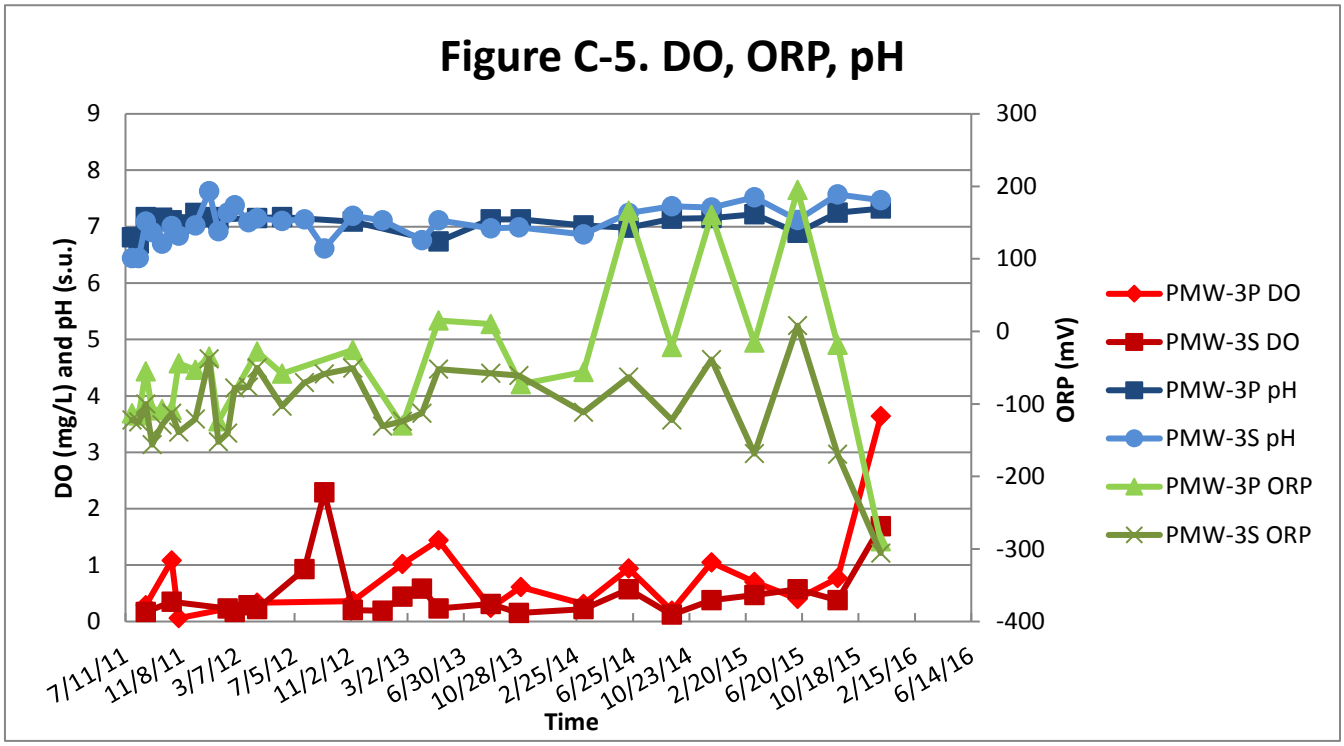
Figure C-5. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
PMW-3P DO
PMW-3S DO
PMW-3P pH
PMW-3S pH
PMW-3P ORP
PMW-3S ORP

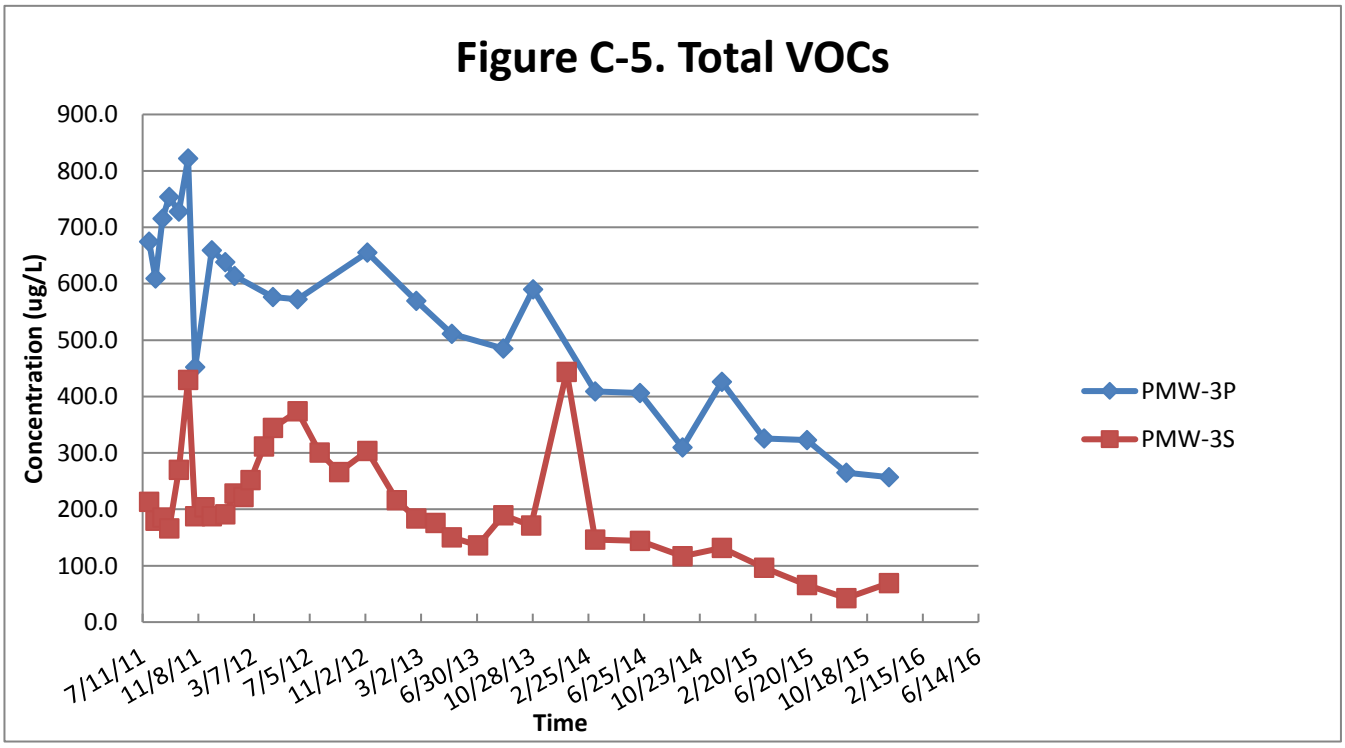
Figure C-5. Total VOCs
Concentration (ug/L)
Time
PMW-3P
PMW-3S

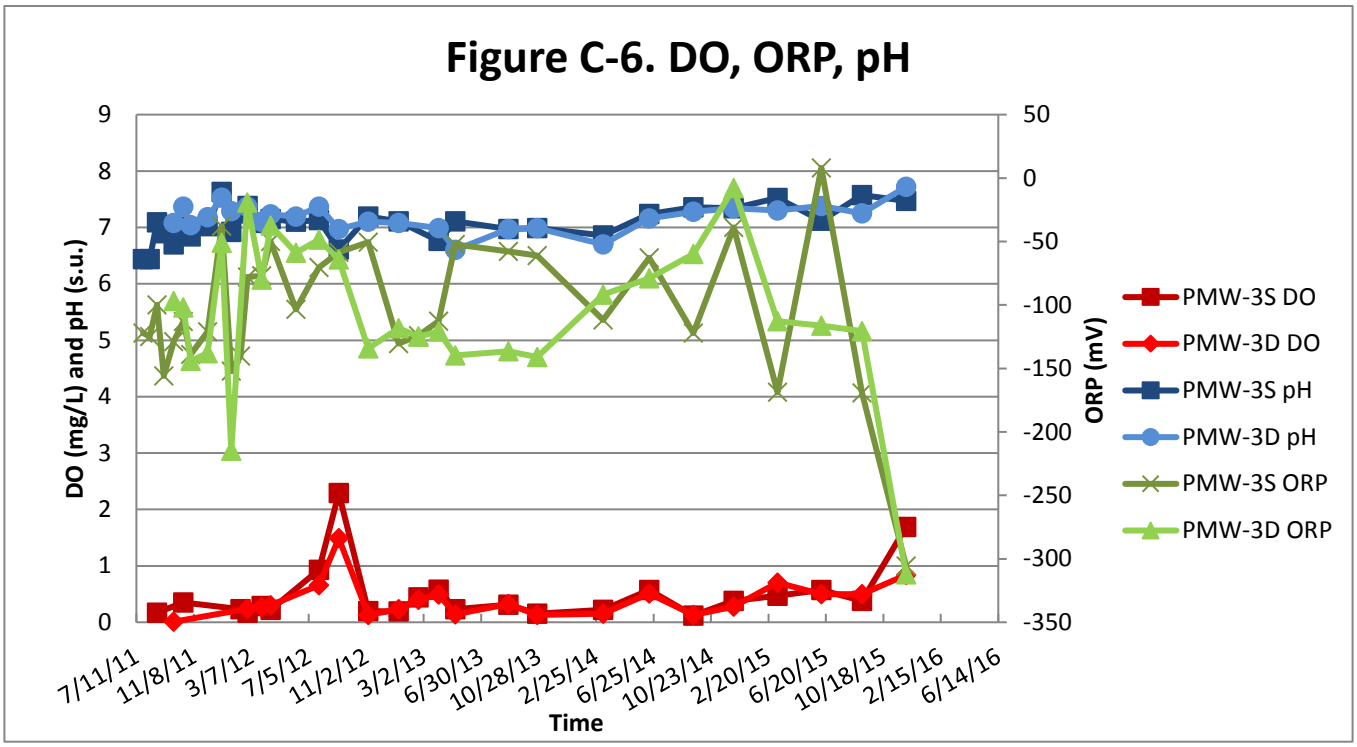
Figure C-6. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
PMW-3S DO
PMW-3D DO
PMW-3S pH
PMW-3D pH
PMW-3S ORP
PMW-3D ORP

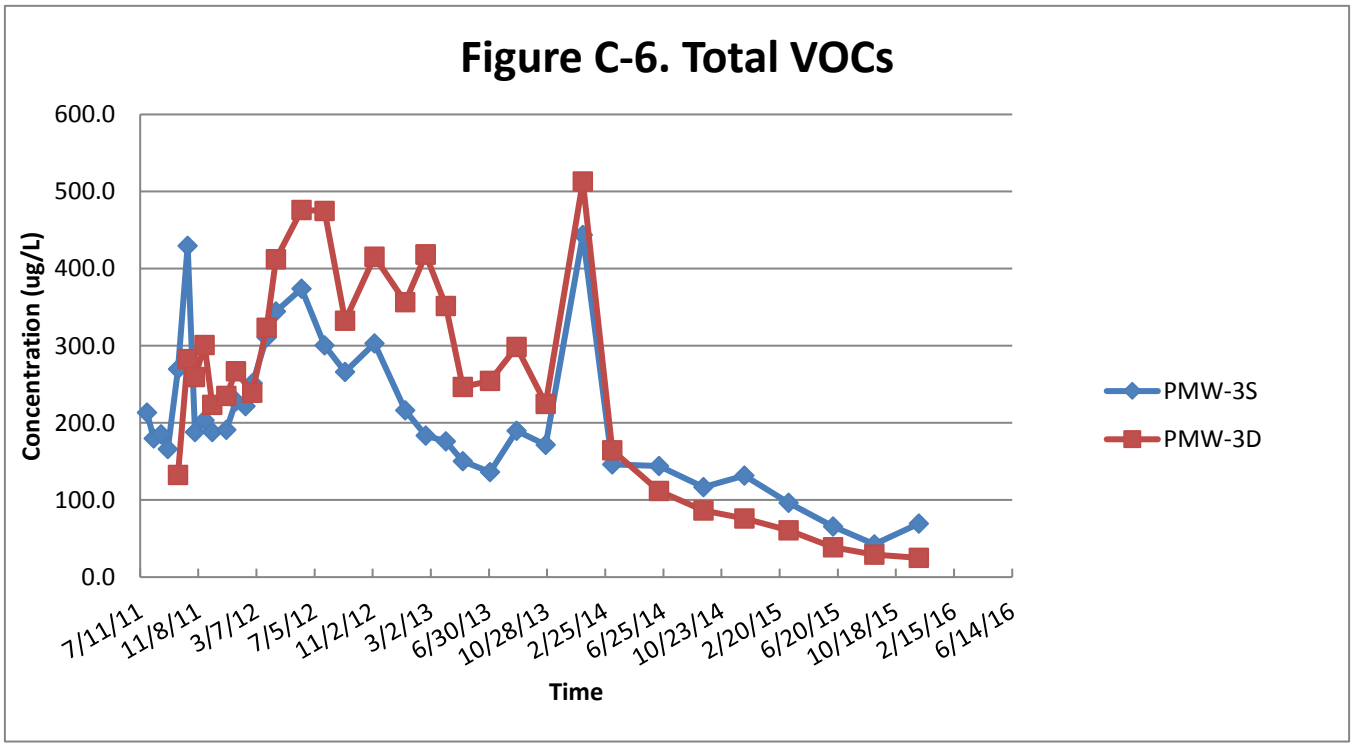
Figure C-6. Total VOCs
Concentration (ug/L)
Time
PMW-3S
PMW-3D

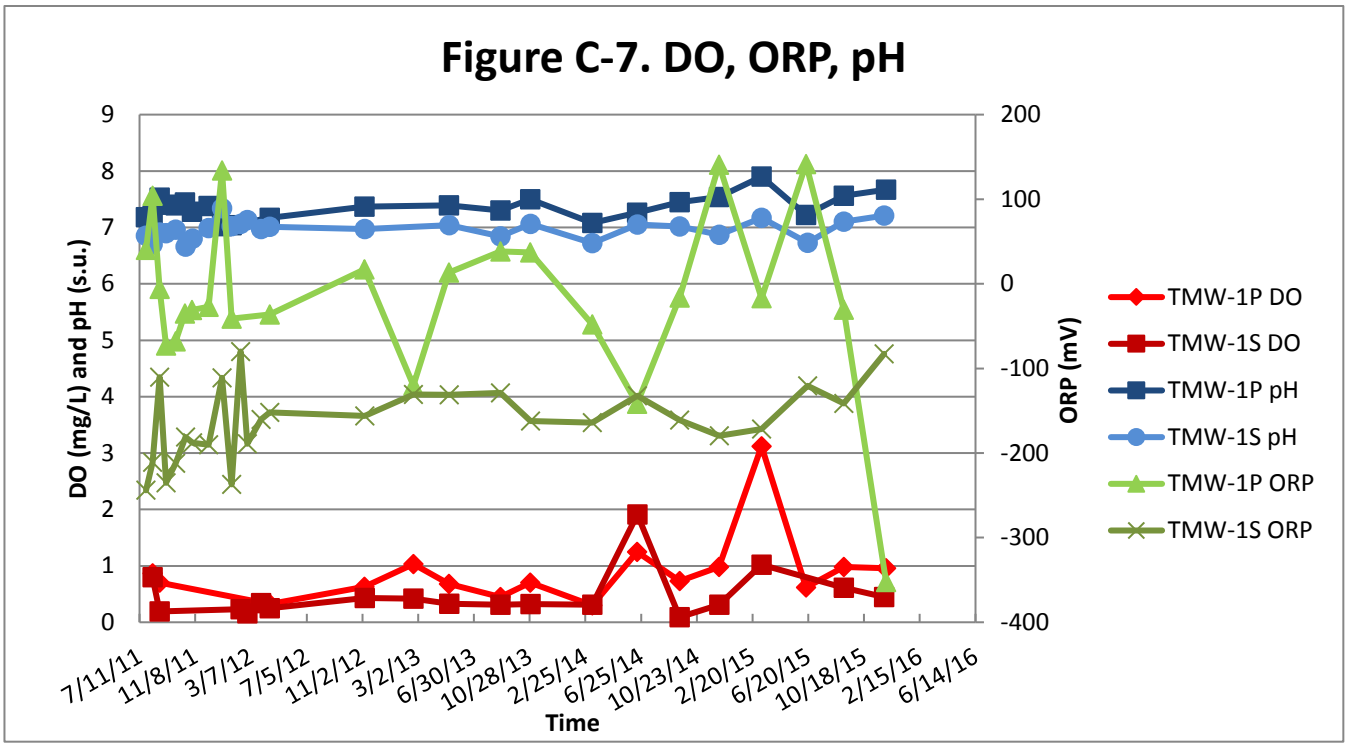
Figure C-7. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
TMW-1P DO
TMW-1S DO
TMW-1P pH
TMW-1S pH
TMW-1P ORP
TMW-1S ORP

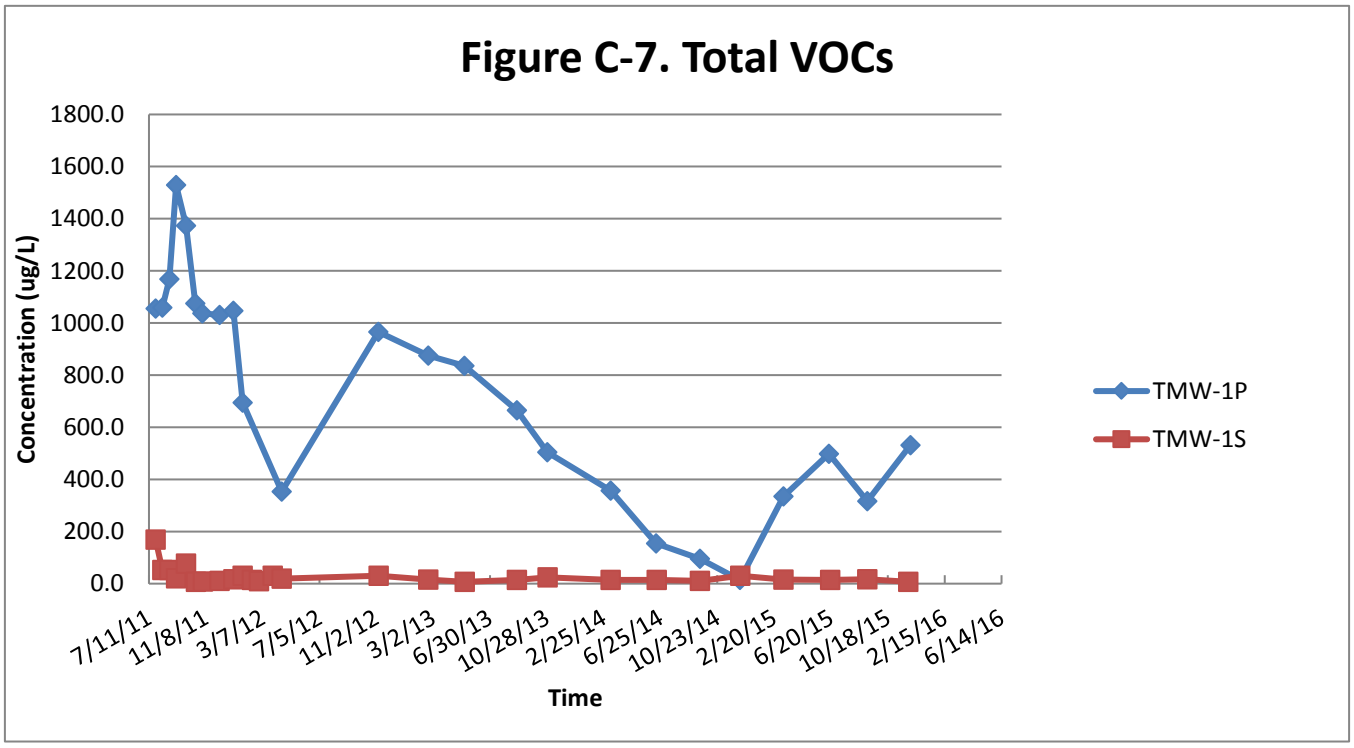
Figure C-7. Total VOCs
Concentration (ug/L)
Time
TMW-1P
TMW-1S

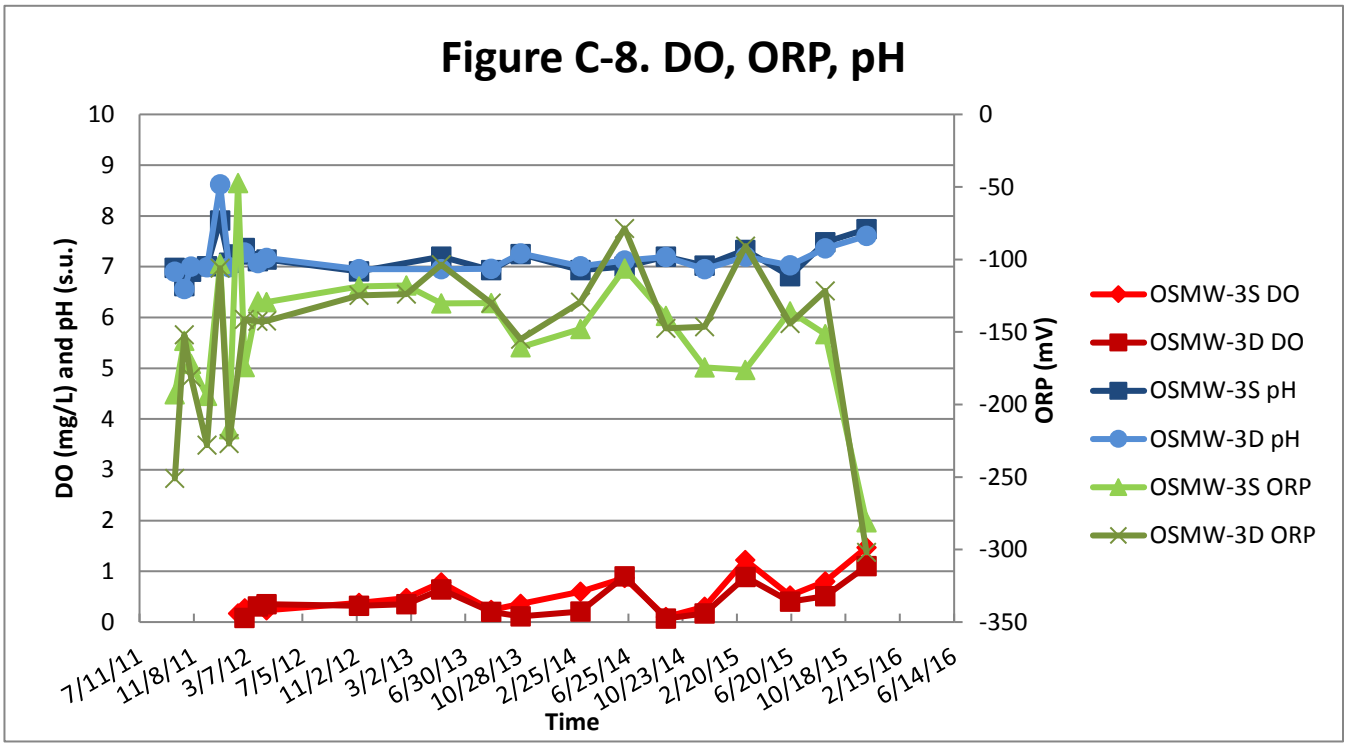
Figure C-8. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
OSMW-3S DO
OSMW-3D DO
OSMW-3S pH
OSMW-3D pH
OSMW-3S ORP
OSMW-3D ORP

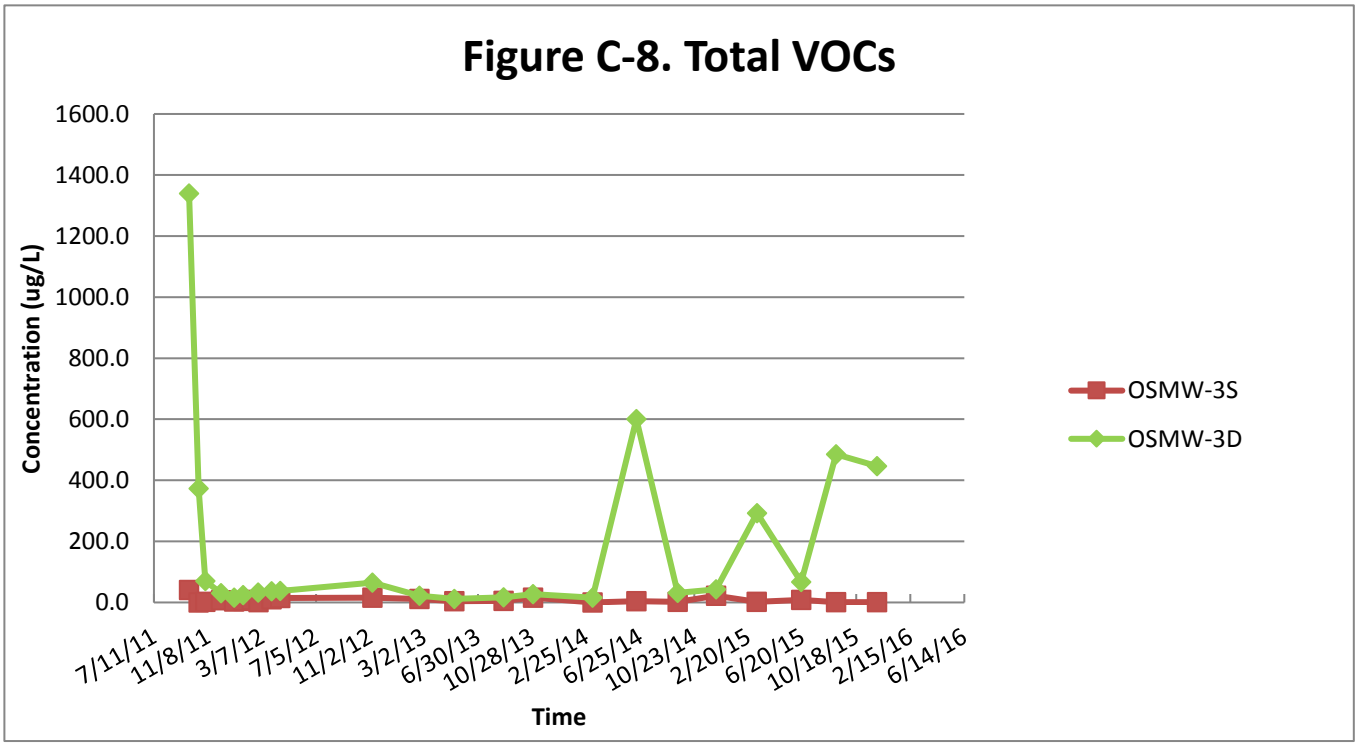
Figure C-8. Total VOCs
Concentration (ug/L)
Time
OSMW-3S
OSMW-3D

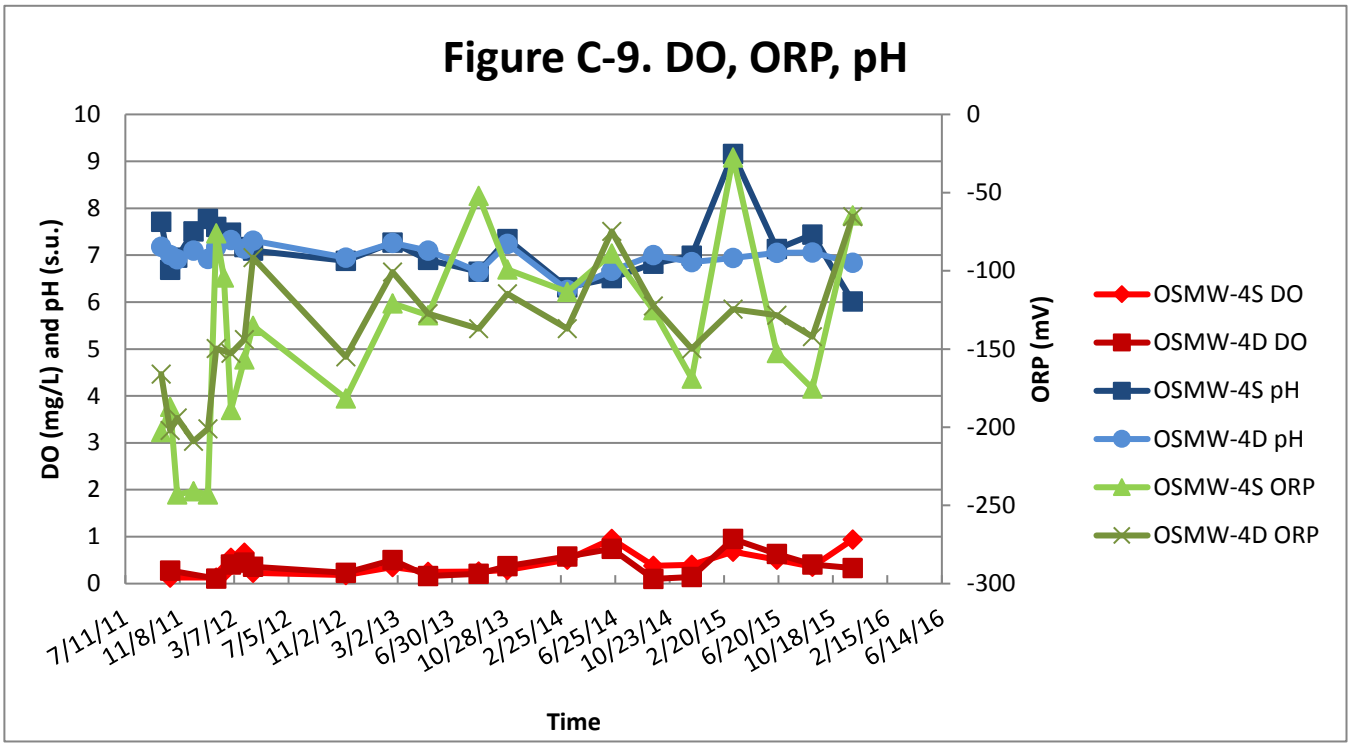
Figure C-9. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
OSMW-4S DO
OSMW-4D DO
OSMW-4S pH
OSMW-4D pH
OSMW-4S ORP
OSMW-4D ORP

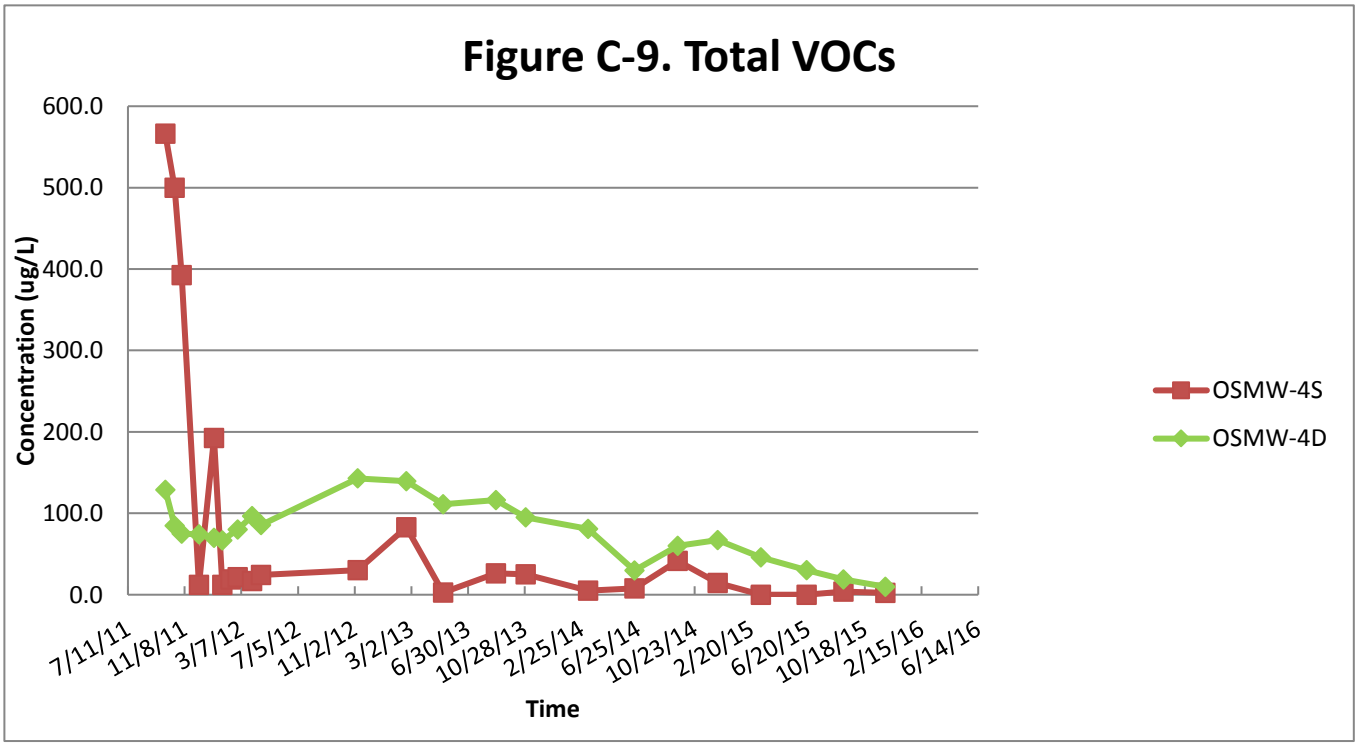
Figure C-9. Total VOCs
Concentration (ug/L)
Time
OSMW-4S
OSMW-4D

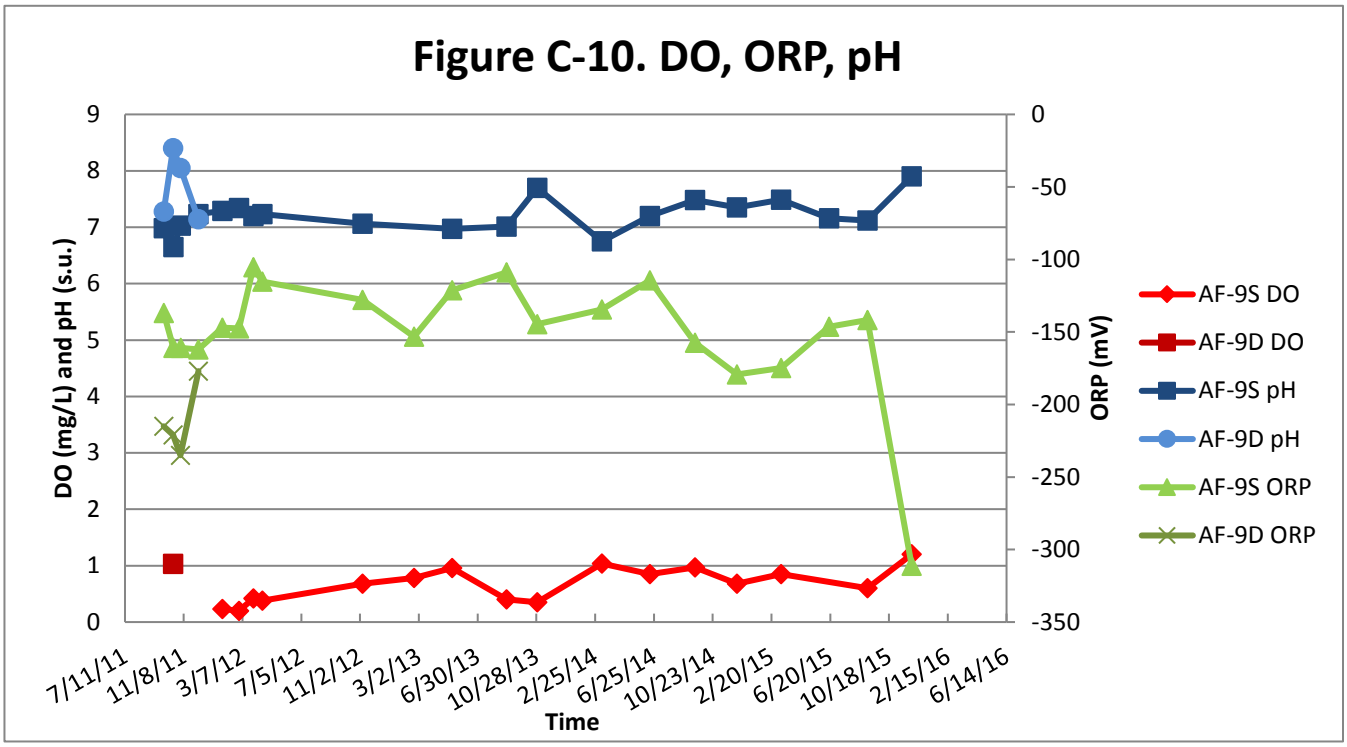
Figure C-10. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-9S DO
AF-9D DO
AF-9S pH
AF-9D pH
AF-9S ORP
AF-9D ORP

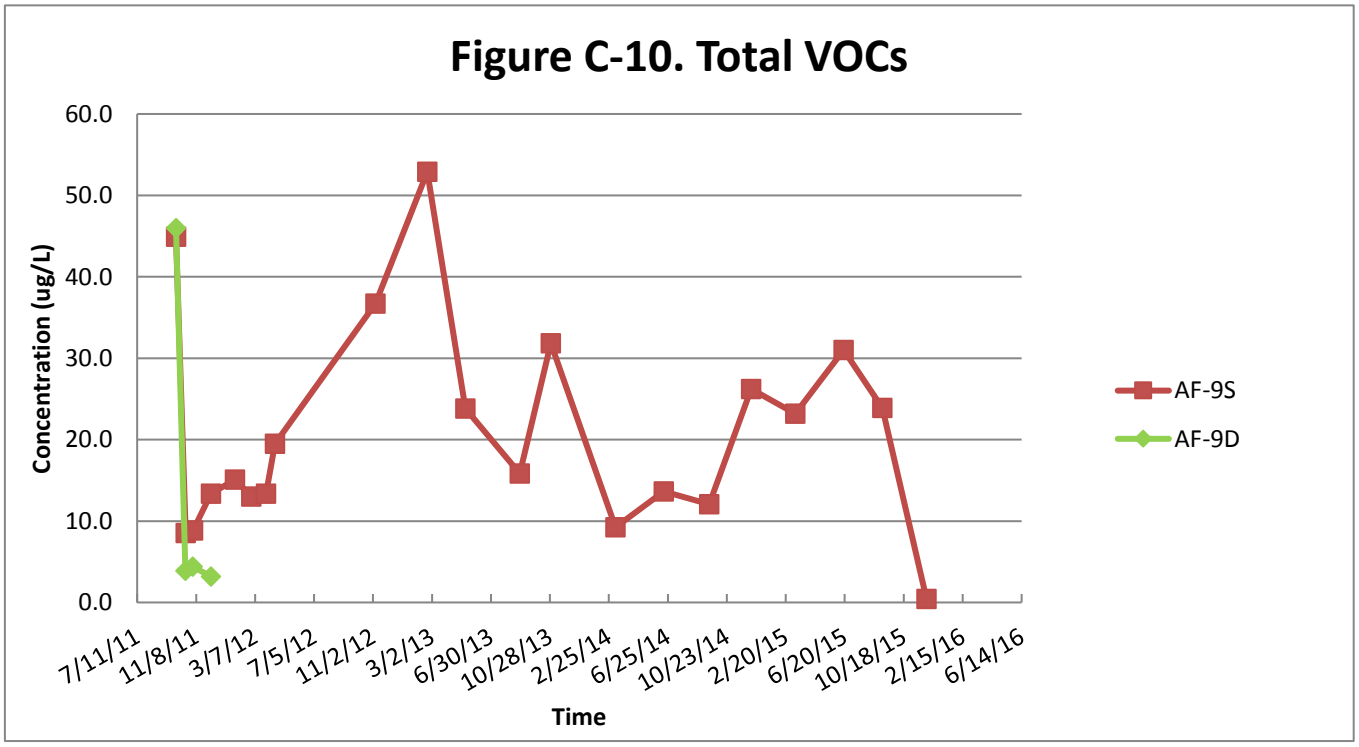
Figure C-10. Total VOCs
Concentration (ug/L)
Time
AF-9S
AF-9D

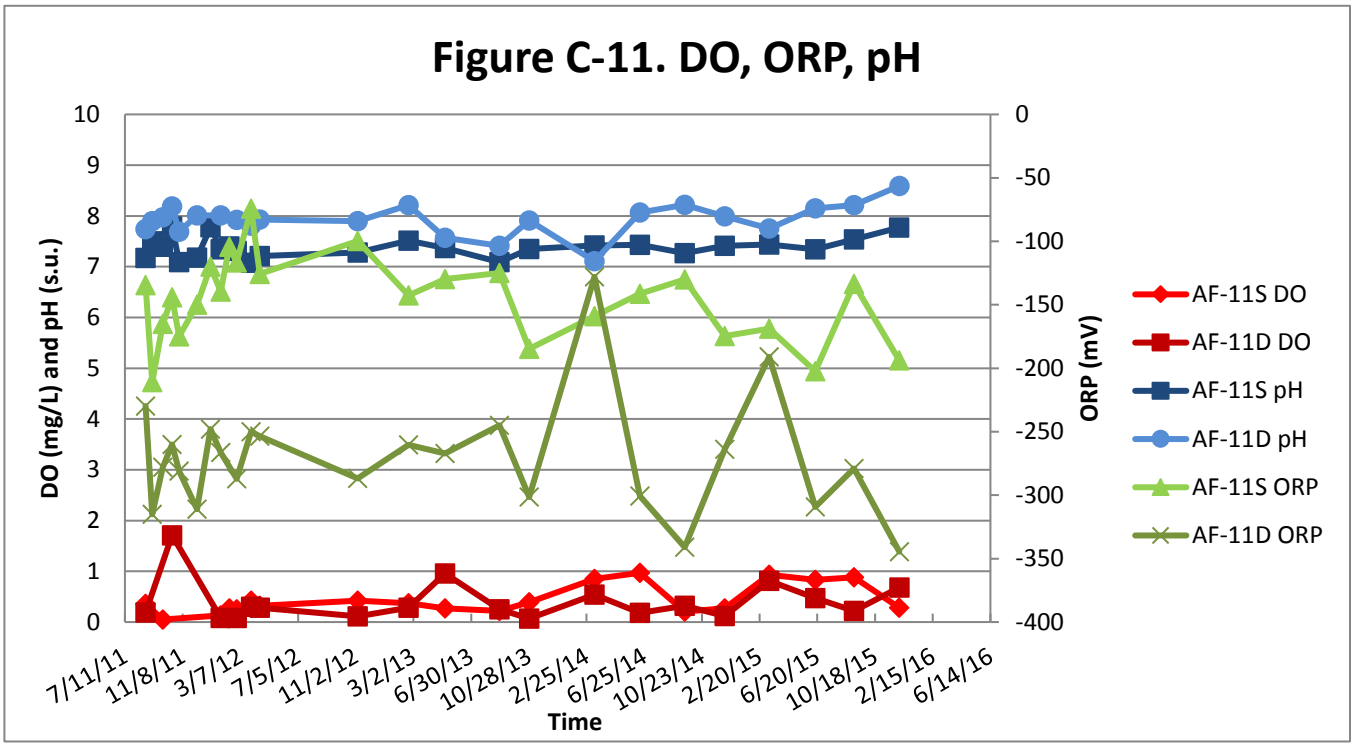
Figure C-11. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-11S DO
AF-11D DO
AF-11S pH
AF-11D pH
AF-11S ORP
AF-11D ORP

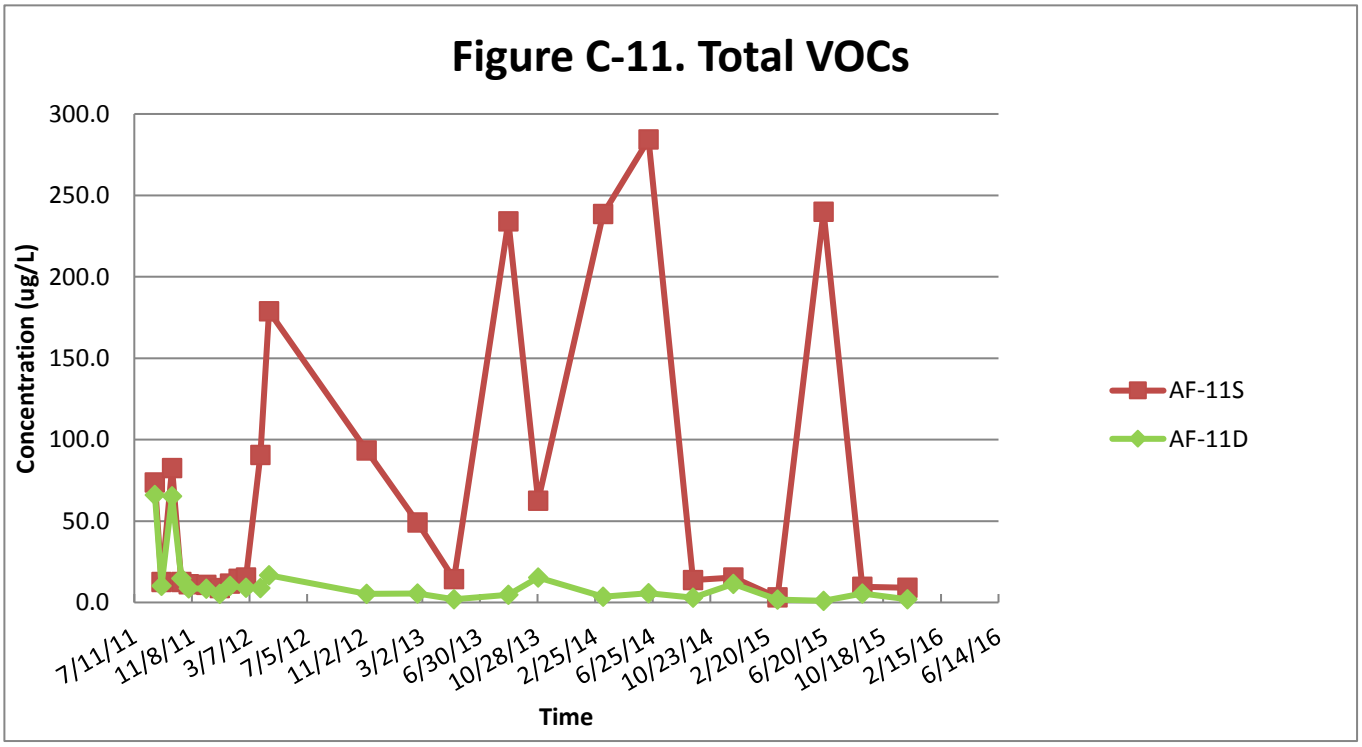
Figure C-11. Total VOCs
Concentration (ug/L)
Time
AF-11S
AF-11D

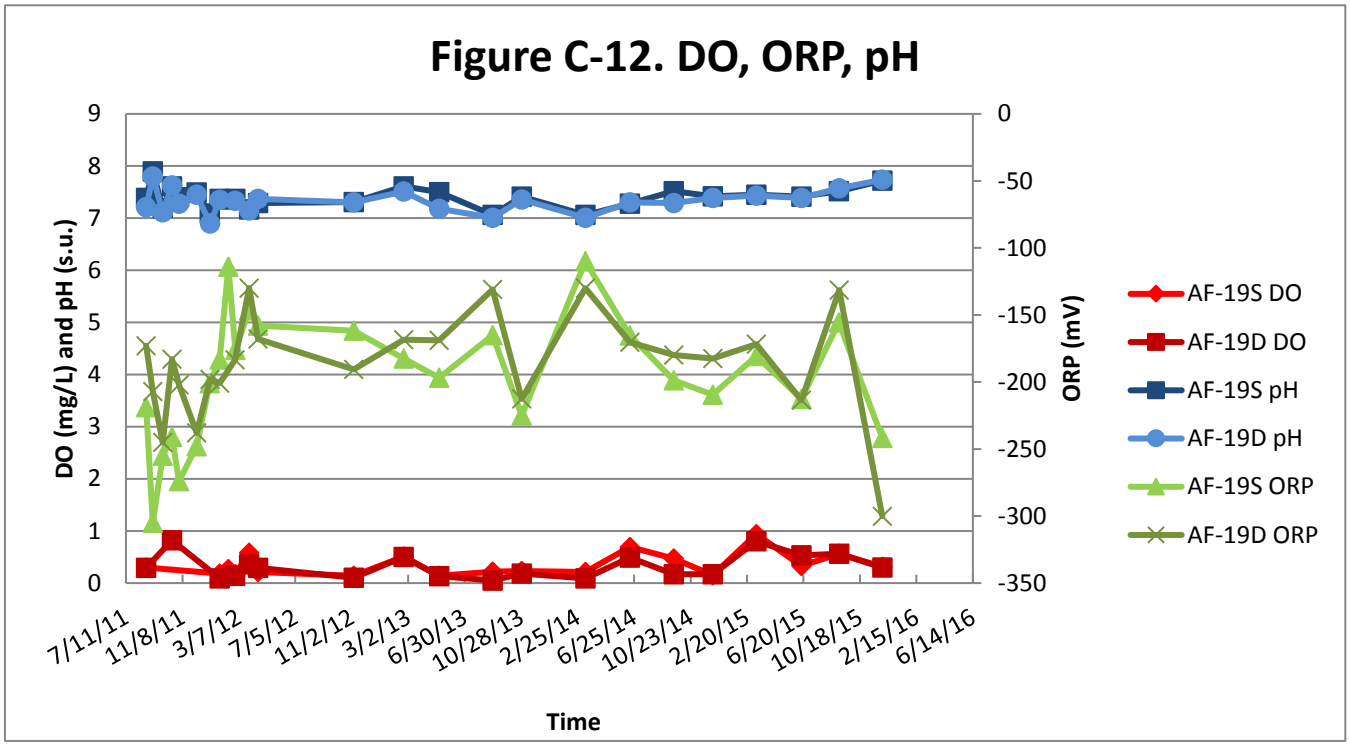
Figure C-12. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-19S DO
AF-19D DO
AF-19S pH
AF-19D pH
AF-19S ORP
AF-19D ORP

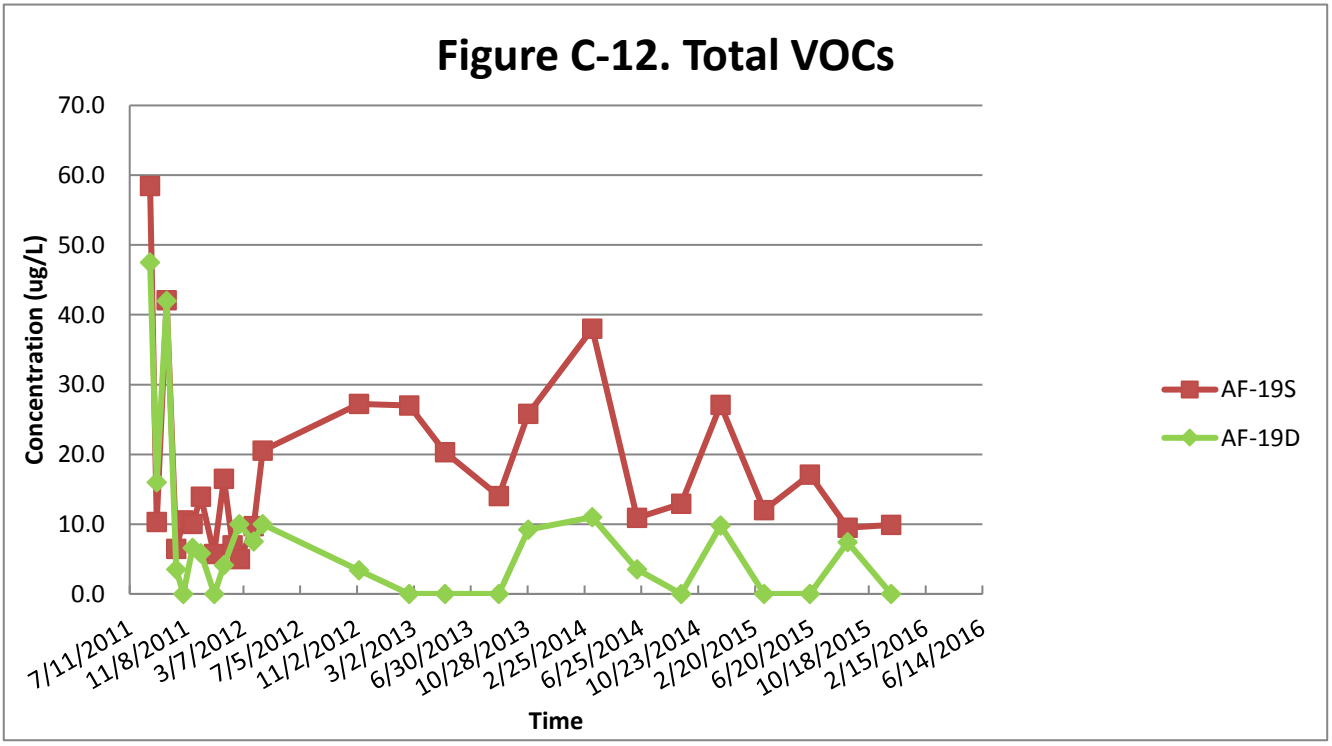
Figure C-12. Total VOCs
Concentration (ug/L)
Time
AF-19S
AF-19D

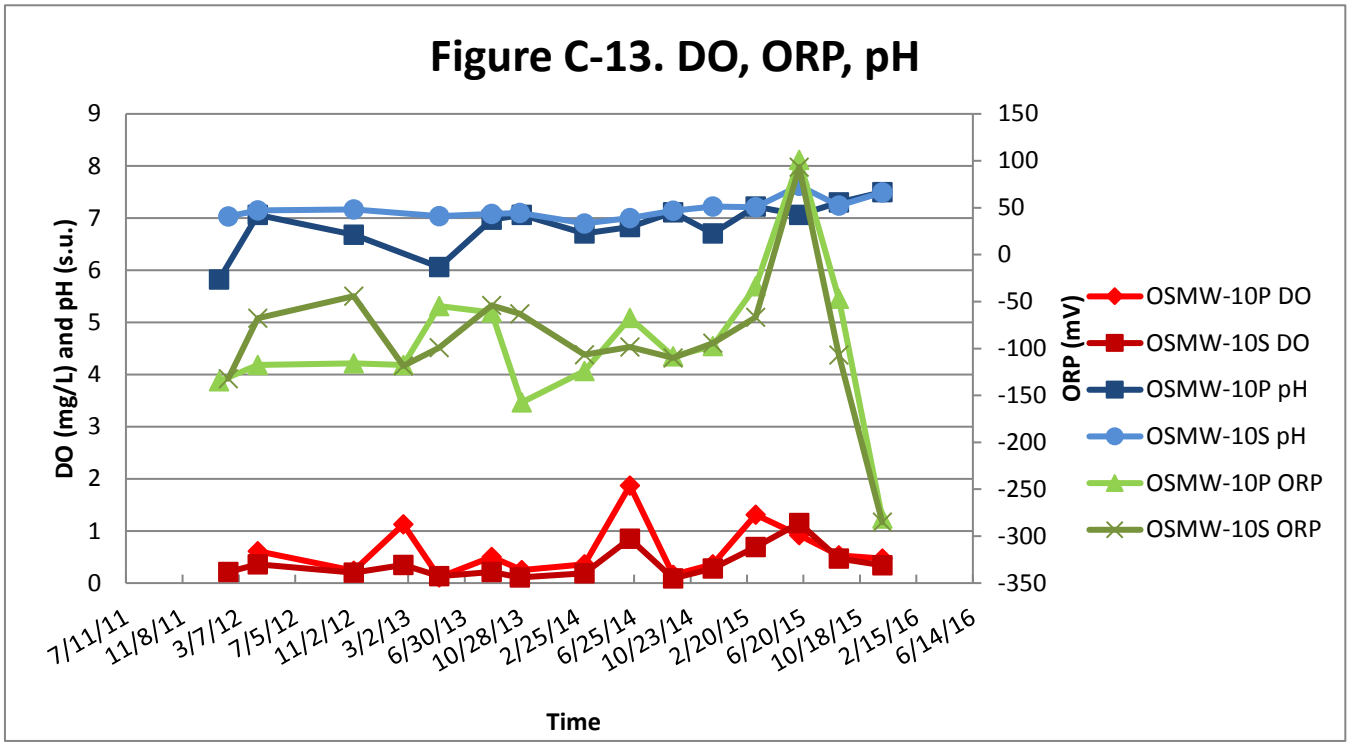
Figure C-13. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
OSMW-10P DO
OSMW-10S DO
OSMW-10P pH
OSMW-10S pH
OSMW-10P ORP
OSMW-10S ORP

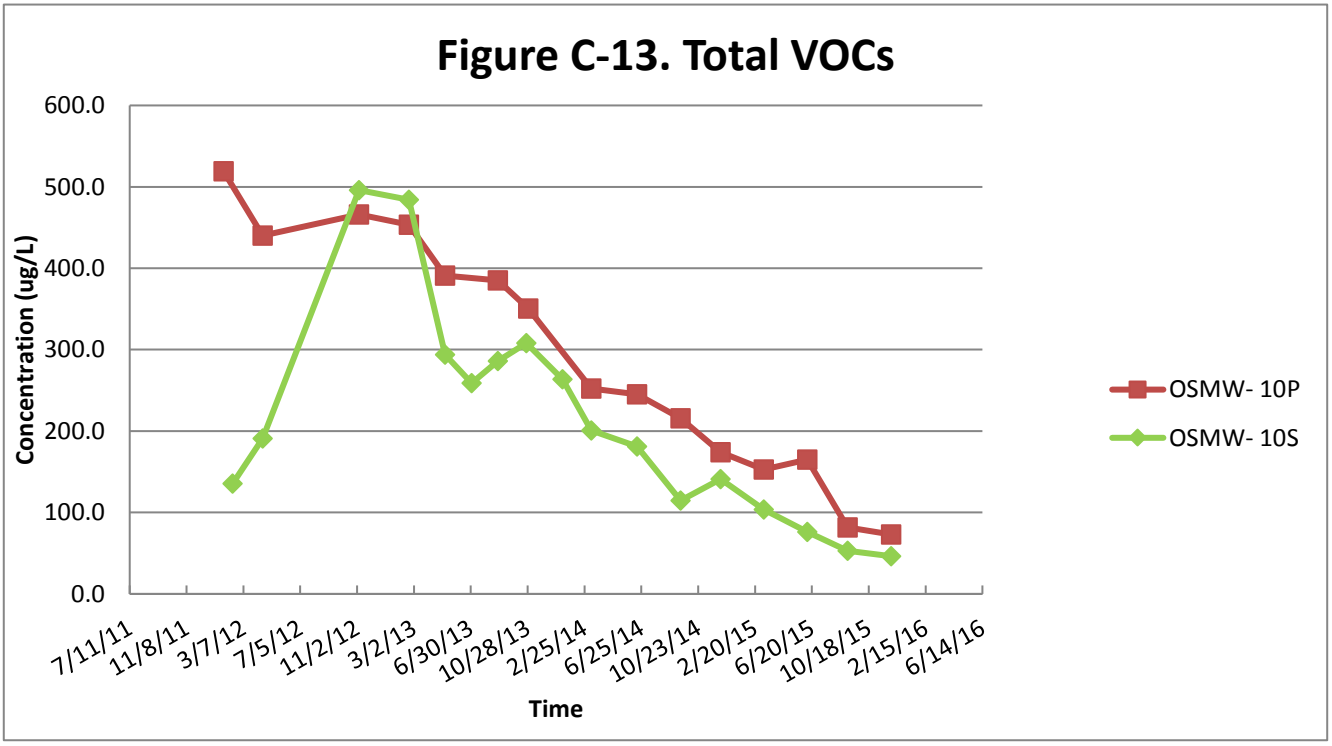
Figure C-13. Total VOCs
Concentration (ug/L)
Time
OSMW- 10P
OSMW- 10S

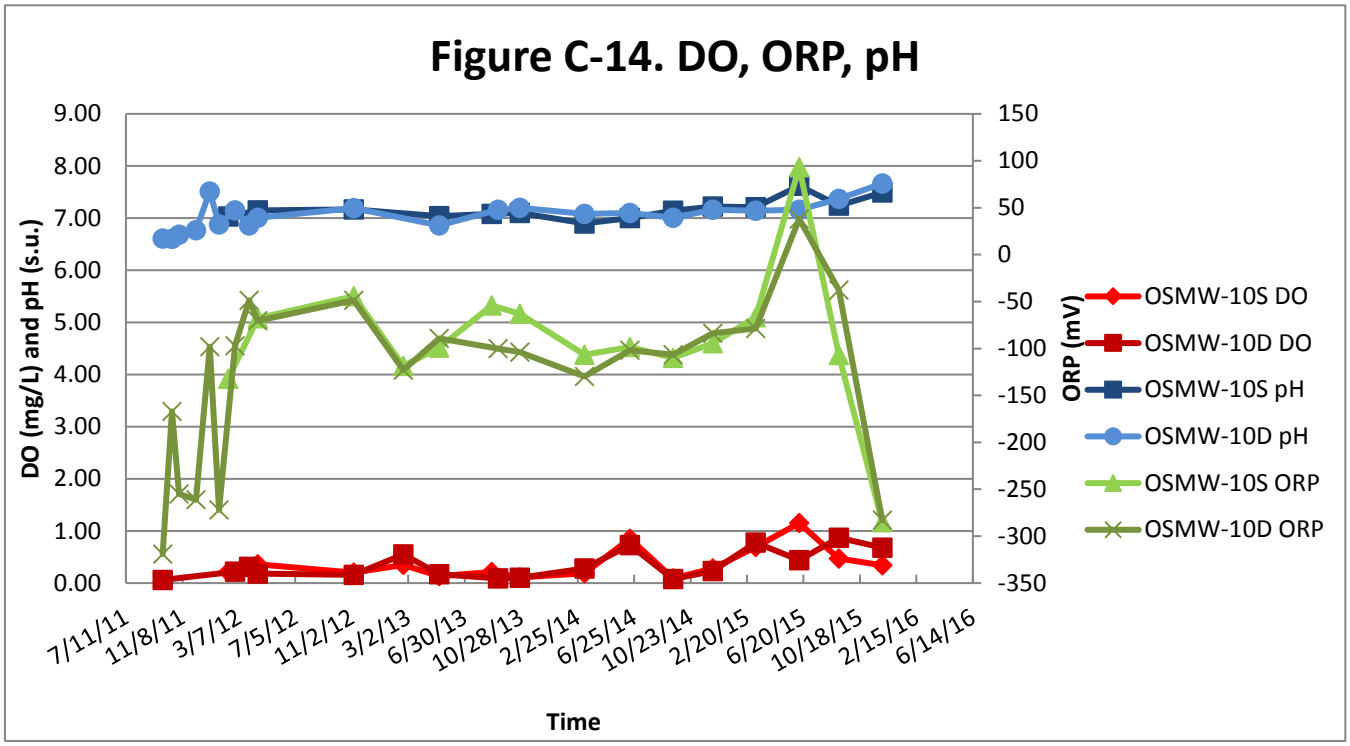
Figure C-14. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
150
100
50
0
-50
-100
-150
-200
-250
-300
-350
7/11/11
11/8/11
3/7/12
7/5/12
11/2/12
3/2/13
6/30/13
10/28/13
2/25/14
6/25/14
10/23/14
2/20/15
6/20/15
10/18/15
2/15/16
6/14/16
Time
OSMW-10S DO
OSMW-10D DO
OSMW-10S pH
OSMW-10D pH
OSMW-10S ORP
OSMW-10D ORP

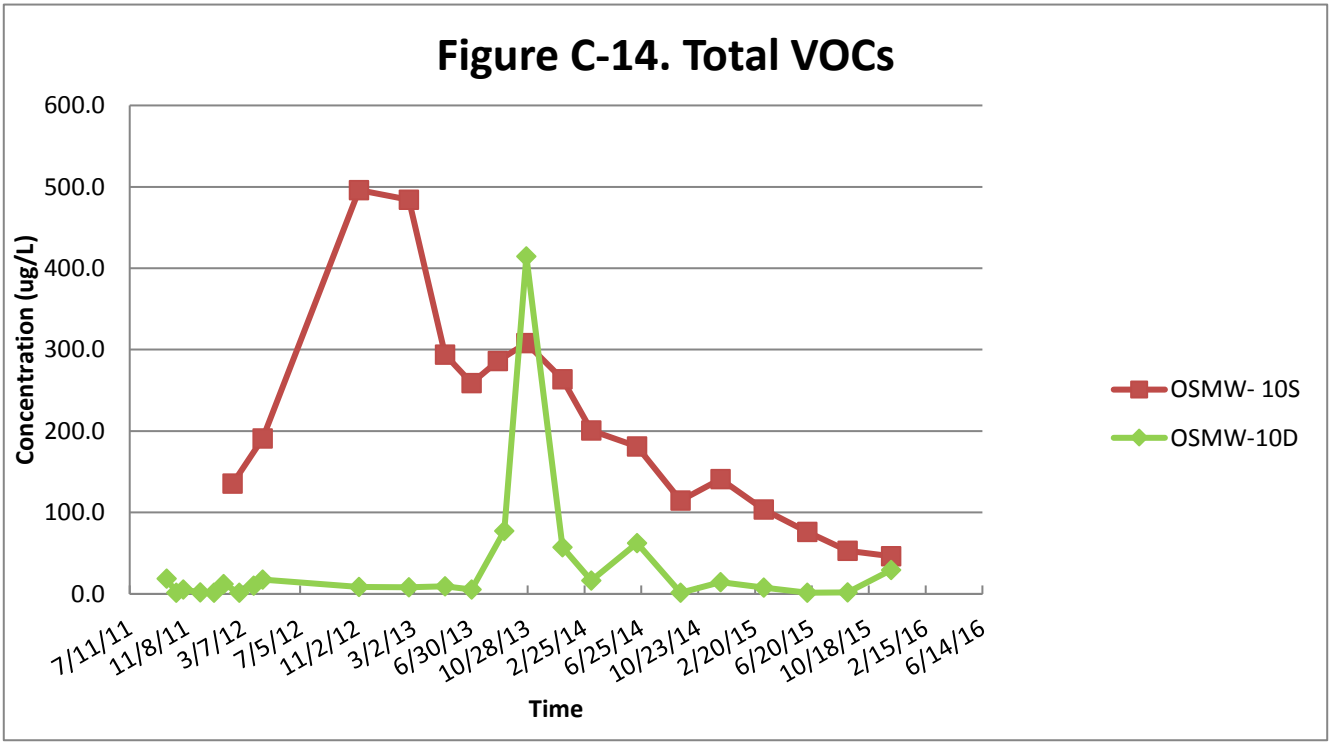
Figure C-14. Total VOCs
Concentration (ug/L)
600.0
500.0
400.0
300.0
200.0
100.0
0.0
7/11/11
11/8/11
3/7/12
7/5/12
11/2/12
3/2/13
6/30/13
10/28/13
2/25/14
6/25/14
10/23/14
2/20/15
6/20/15
10/18/15
2/15/16
6/14/16
Time
OSMW- 10S
OSMW-10D

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