FINAL REPORT

Groundwater IRM
Quarterly Groundwater Monitoring Report
4th Qtr – 2012
Annual Summary – 2012

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Groundwater IRM Quarterly Groundwater Monitoring Report 4th Qtr – 2012 Annual Summary – 2012

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1 INTRODUCTION

O'Brien & Gere 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 2012 (herein referred to as Fourth Quarter 2012). Groundwater monitoring was conducted to monitor the temporal effect on groundwater conditions during the operation 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 former Air Force Plant 36 (AFP 36) (Figure 1). The groundwater remedial measure was initiated as an IRM under a Resource Conservation and Recovery Act (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.

In addition, the Second Semiannual 2012 (RCRA semiannual) groundwater sampling event was performed from November 6 through November 7, 2012, associated with the RCRA Corrective Action Program at the Facility. Historically, groundwater monitoring has been conducted periodically since 1988, with the monitoring network expanding between 1998 and 2009. Quarterly or semiannual groundwater sampling has been conducted consistently at the Facility since 2007.

Groundwater monitoring data are evaluated and reported after each sampling event, including evaluations of quality assurance, cross-contamination potential, and significant short-term anomalies. Long-term trends and overall remediation progress will be evaluated and reported annually, at the beginning of each year.

Groundwater monitoring activities were conducted in accordance with the approach and methods outlined in detail in the *IRM Performance Monitoring Plan* (PMP), prepared by O'Brien & Gere (2010). The groundwater monitoring network consists of a total of 116 wells completed in three water-bearing units (Perched Zone, Upper Sand and Gravel (USG), and Lower Sand and Gravel (LSG)). As outlined in the PMP, the general scope of groundwater monitoring activities includes:

- Groundwater level monitoring using manual electronic as well as pressure transducer measurements at frequencies 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).
- Groundwater quality sampling using passive diffusion bag samplers (PDBs) for analysis of volatile organic compounds (VOCs) and field bioparameters (*e.g.,* dissolved oxygen [DO] and oxidation-reduction potential [ORP]) in accordance with frequencies outlined in 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).
- 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.

In accordance with the PMP, the results of groundwater monitoring are to be presented in quarterly monitoring reports.

The RCRA semiannual groundwater monitoring network consists of 36 monitoring wells and 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 wells completed in the Perched zone (13 wells), USG (11 wells), and LSG (12 wells). Approximately 50% of these wells are included in the groundwater IRM monitoring program.

2 METHODS

As outlined in the PMP, Hydraulic Control Monitoring was conducted to evaluate whether the current IRM configuration (*i.e.,* extraction rates and well locations) is achieving the desired capture zone (*i.e.,* hydraulic control), while not exacerbating groundwater contamination conditions. Progress Monitoring was initiated at the conclusion of Hydraulic Control Monitoring for the Perched, USG and LSG when the capture zones for these units were verified and long-term monitoring/evaluation of changes in COPC concentrations in these units was initiated. Hydraulic Control and Progress Monitoring consists of groundwater level and quality monitoring at locations depicted in Figure 1.

The RCRA semiannual groundwater monitoring program is conducted to evaluate the temporal and spatial distribution of COPCs. The semiannual monitoring locations are also depicted in Figure 1.

Methods and procedures for groundwater level and quality monitoring were conducted in accordance with the U.S. Environmental Protection Agency (USEPA) approved Sampling and Analysis Plan (SAP) (O'Brien & Gere, 2009) and the PMP.

2.1 GROUNDWATER LEVEL MONITORING

Groundwater level monitoring consisted of manual measurements and variable automated measurements (*i.e.*, pressure transducers). Progress monitoring for the Fourth Quarter 2012 included a reduced number of wells for manual monitoring; with the frequency of monitoring reduced as outlined in the PMP as summarized in Table 1. Tables 2 and 3 provide a summary of the wells included in hydraulic control and progress monitoring, as well as the RCRA semiannual groundwater sampling program. Groundwater level monitoring was also completed for the monitoring wells in the semiannual groundwater sampling program (see Table 1).

Manual measurements were collected from a total of 48 monitoring wells (36 as part of Progress Monitoring and an additional12 semiannual monitoring wells that are not part of the Progress Monitoring program) completed in the Perched Zone (19 wells), USG (14 wells), and LSG (15 wells) (see Table 1). Measurements were collected in accordance with sample collection SOP S-21 contained in Appendix F of the SAP. Static water levels were recorded at each monitoring well using an electronic water level indicator with a stainless steel probe. Automated measurements were collected via pressure transducers installed in a total of 30 monitoring wells completed in the Perched Zone (8 wells), USG (12 wells), and LSG (10 wells). A HOBO U20 Water Level Logger (Model U20-001-01) was installed in each well using a Teflon-coated wireline. The HOBO U20 logger is constructed of fully-sealed, non-vented, stainless steel housing with a ceramic pressure sensor (0-30 ft range; $\pm$0.015 ft). The data logger is retrieved from each well to offload water level data using an optical/USB interface. An additional HOBO U20 logger was installed above the static water level in well PMW-6P for the collection of site barometric pressure data to use in barometric compensation of each non-vented transducer via HOBOware™ software. Manual groundwater level measurements and pressure transducer readings were referenced to monitoring well top-of-casing elevation to generate groundwater elevation data in feet above mean sea level (ft msl), referenced to the North American Vertical Datum of 1988 (NAVD88).

Manual measurements were collected on a quarterly basis and transducers were set to record data every 30 minutes for a total of 48 measurements each day for each of these selected monitoring wells (see Table 1). Transducer data, including barometric data, were downloaded for processing on a quarterly basis. As mentioned above, the barometric data were used for barometric compensation of individual data logger readings to provide accurate groundwater level readings fully compensated for barometric pressure and temperature.

Following barometric compensation of the transducer data via HOBOware™ software, the groundwater level data were downloaded to spreadsheets for barometric correction to remove lagged groundwater level response caused by barometric changes. Manual measurements were also transferred to spreadsheets for barometric correction prior to further analyses. The groundwater level data were corrected for barometric fluctuations using the computer program BETCO (barometric and earth tide correction) developed by Nathanial Toll at

Sandia Corporation (Sandia National Laboratories, 2005). Manual measurements were corrected for barometric fluctuations using traditional constant barometric efficiency techniques (Hare and Morse, 1997).

2.2 GROUNDWATER QUALITY MONITORING

Groundwater quality samples were collected for VOC analysis from a total of 61 wells completed in the Perched Zone (21 wells), USG (20 wells), and LSG (20 wells). Groundwater sampling was performed on a quarterly basis during the Fourth Quarter 2012 in accordance with the PMP. Groundwater samples were also collected at the same time for the RCRA semiannual groundwater sampling event in accordance with the August 2009 Work Plan. Groundwater samples were collected from the monitoring wells in accordance with the protocols and materials/equipment specified in SOPs S-9 and S-12 (Appendix F of the SAP). Samples for VOC analysis were collected using passive diffusion bag samplers (PDBs). Following PDB retrieval and sample collection, *in-situ* field measurements of pH, specific conductance, temperature, DO, and ORP were collected from the midpoint of the well screen in accordance with SOP S-6/S-6A (Appendix F of the SAP). The samples were shipped via overnight courier to TestAmerica, of Buffalo, New York (TestAmerica) for analysis of VOCs by USEPA Method 8260B.

Groundwater influent and effluent samples were collected for VOC analysis at sampling ports located before (influent) and after (effluent) the air stripper unit at the GWTP. The groundwater influent sample port is located at the combined header, just prior to the bag filters and mixing tank, and is representative of a mixture of groundwater extracted from the pumping wells. Influent and effluent samples were collected to provide compliance monitoring for the operating permit for the treatment unit. Influent and effluent samples were collected semi-monthly during the Fourth Quarter 2012. Groundwater samples were also collected for VOC analysis from each actively pumping extraction well at a sample port located at the extraction well vault. The extraction well samples were collected monthly. Groundwater influent, effluent, and individual extraction well samples were submitted to TestAmerica for analysis of VOCs using USEPA Method 8260B. Procedures involving sample containers, preservation, labeling, chain-of-custody, and shipping were the same as with monitoring well sampling discussed above.

2.3 QUALITY ASSURANCE/QUALITY CONTROL

Field quality control (QC) samples included trip blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs). These samples were collected in accordance with the site PMP at a frequency of one blind duplicate and MS/MSD per twenty samples and one equipment blank, either per day or per twenty samples, whichever was more frequent. One trip blank was submitted for analysis with each cooler containing groundwater samples for VOC analyses. The QC samples were prepared in accordance with Section 4.3 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.

Level A data validation (*i.e.*, data verification) of laboratory results was conducted on samples collected during Fourth Quarter 2012, in accordance with the procedures outlined in Appendix C of the PMP.

In addition, quality assurance/quality control samples for the RCRA semiannual groundwater sampling program were collected in accordance with the SAP consisting of field duplicates, matrix spike/matrix spike duplicates and equipment blanks. Data validation of laboratory results from the semiannual event was performed in accordance with the USEPA-approved June 2009 SAP. The sample containers were labeled and placed in an ice filled cooler, along with a trip blank and chain-of-custody (COC) form which was maintained and accompanied the samples, and shipped via overnight courier to Test America, of Buffalo, New York. The samples were analyzed for VOCs by USEPA Method 8260B.

2.4 STATISTICAL ANALYSIS

Statistical methods involving trend analysis and the development of tolerance limits were applied to groundwater level and quality data for the IRM sampling program monitoring wells in accordance with

procedures detailed in Appendix B of the PMP. The statistical methods include a two-part *intrawell* strategy using USEPA's unified guidance on statistical analysis at RCRA facilities (USEPA, 2009).

Statistical analysis of groundwater level and quality data was conducted to evaluate stability (steady-state conditions), potential cross-contamination, and the need for pumping optimization. Statistical methods were applied to evaluate:

- Vertical cross-contamination via statistical analysis of groundwater level data
- Vertical cross-contamination via statistical analysis of groundwater quality data
- Equilibrium conditions via statistical analysis of groundwater level data
- Assessment of remedial progress/optimization via statistical analysis of extraction well quality data
- Potential off-site cross-contamination via statistical analysis of groundwater quality data.

Details of each statistical method and application are included in Appendix B of the PMP. Statistical analysis of groundwater levels using Methods I and III of Appendix B were modified to improve sensitivity of the statistical analysis and the level of accuracy applied to trigger values. The modification involved replacement of the magnitude of standard error with the magnitude of change in slope for comparison with the estimated margin of error ($\pm$0.2 ft for the vertical gradient comparisons and $\pm$0.1 ft for the normalized horizontal gradient comparisons). The impact of this modification improves the ability to evaluate significant changes in the vertical hydraulic gradient (Method I) and horizontal hydraulic gradient (Method III).

3 RESULTS

3.1 FIELD OBSERVATIONS

Manual and automated groundwater level measurements were collected according to the frequencies outlined in Table 1, transferred to spreadsheets, corrected for barometric changes, and referenced to top-of-casing elevations. A summary of well completion data for wells included in the groundwater IRM monitoring program is provided in Tables 2 and 3 for groundwater level and groundwater quality monitoring, respectively. Due to the frequency of measurements, particularly transducer measurements (*i.e.*, 48 measurements each day), tabulated data are not included in this report. The data are presented in hydrographs and discussed below in Section 4.1. Groundwater elevation contour maps for the Perched Zone, USG and LSG units on November 7, 2012 are presented in Figures 2, 3 and 4, respectively, and are discussed further below in Section 4.1.3.

Within the group of RCRA semiannual sampling wells, there generally exist two subgroups in relation to the groundwater IRM. The first subgroup includes the majority of the wells and these are located on or in the immediate vicinity of former AFP36. The second subgroup includes a smaller group of wells located beyond the area of the groundwater IRM drawdown at wells AOC LDMW-1S, AOC PSTMW-1SR, and AOC PSTMW-2S) as well as OSMW-5S/D and OSMW-8S/D. Field water quality data for the larger subgroup (groundwater IRM/former AFP-36) are discussed below, followed by the smaller subgroup (7 wells) of the RCRA semiannual program.

Field groundwater quality measurements collected during groundwater sampling events are summarized in Table 4. For the larger subgroup of wells in the Perched unit sampled in November 2012, pH ranged from 5.92 (AF-3P) to 7.85 (AF-13P), DO ranged from 0.24 (OSMW-10P) to 1.48 mg/l (AF-4P), and ORP measurements ranged from -188 (AF-24P) to 187.6 mv (OSMW-1P). In the USG, pH ranged from 6.74 (OSMW-1S) to 7.48 (OSMW-9S) [note: anomalously elevated pH reading from AF-13S (10.87) was not included in the analysis], DO ranged from 0.14 (AF-19S) to 0.76 mg/l (AF-7S) [note: anomalously elevated DO reading from AF-13S (3.41) was not included in the analysis], and ORP measurements ranged from -187.1 (OSMW-6S) to -32.4 mv (OSMW-11S). In the LSG, pH ranged from 6.81 (PMW-2D) to 7.90 (AF-11D) [note: anomalously elevated pH reading from PMW-4D (12.03) was not included in the analysis], DO ranged from 0.10 (AF-19D) to 0.48 mg/l (OSMW-1D), and ORP measurements ranged from -286.9 (AF-11D) to -48.7 mv (OSMW-11D).

The pH, DO and ORP results for the smaller group of semiannual wells were within a range similar to those listed above for each water-bearing unit. An exception is an elevated pH reading in OSMW-8S of 11.77.

3.2 ANALYTICAL RESULTS

Groundwater analytical results are summarized in Table 4. VOCs detected above the laboratory reporting limit are provided in this table, in particular, the COPCs found in groundwater consisting of trichloroethene (TCE) and its daughter products cis- and trans-1,2-dichloroethene (cis/trans-1,2-DCE); 1,1-dichloroethene (1,1-DCE); vinyl chloride (VC); and 1,1,1-trichloroethane (TCA) and its daughter product 1,1-dichloroethane (DCA). Laboratory analytical reports for the Second Quarter 2012 and the RCRA semiannual sampling programs are included in Appendix A.

3.2.1 QA/QC

The laboratory analytical results for VOCs underwent data review and verification by O'Brien & Gere in accordance with Appendix C of the PMP. Details of data verification results for Fourth Quarter 2012 are included in Appendix B-1.

In summary, except as noted in Appendix B, (1) chain-of-custody forms are complete, (2) laboratory analysis and preparation are in accordance with the QAPP, (3) blanks/LCS/MS/MSDs are within control limits, (4) reporting limits were met, and (5) the QA frequency is correct.

The laboratory analytical results for the RCRA semiannual groundwater sampling program were independently validated by O'Brien & Gere Engineers, Inc. to assess data quality. Data validation was performed in accordance with the EPA-approved June 2009 SAP. 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, laboratory analytical data sheets, and COC forms are provided in Appendix B-2.

4 DATA EVALUATION

Groundwater elevation data were used to evaluate the potential for cross-contamination and attainment of equilibrium conditions as well as to estimate the capture zone of each extraction well(s) for comparison of actual and predicted groundwater flow paths and system design. 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.

To assist in evaluating groundwater elevation and quality data and trends, the following summary of extraction well pumping rates and durations are provided:

- The Perched Zone extraction system consists of four wells (EW-2P, EW-4P, EW-5P, and EW-6P) that continued to operate through the Fourth Quarter 2012. The Perched Zone extraction well average flow rates for the Fourth Quarter 2012 were as follows:
  - EW-2P: 42 gallons per minute (gpm)
  - EW-4P: 33 gpm
  - EW-5P: 46 gpm
  - EW-6P: 47 gpm
- Extraction well EW-7S, completed in the USG, continued to operate through the Fourth Quarter 2012 at a flow rate of 47 gpm
- The LSG extraction wells (EW-3D and EW-8D) continued to operate through the Fourth Quarter 2012 at a flow rate of 47 gpm for each extraction well.

4.1 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 capture zone of each extraction well(s).

4.1.1 Groundwater Levels and Pumping Influence

Hydrographs for monitoring wells from the Perched Zone, USG, and LSG are included in Appendix C, as presented in Figures C-1 through C-5. The dates of pertinent startup and pumping rate changes are identified on these figures. Minor periods of groundwater recovery occurred on November 4-6, 2012 and November 28-29, 2012 as indicated on figures in Appendix C, are associated with periods of shutdown of the groundwater extraction and treatment system for maintenance. The following comments are provided:

- Previously declining groundwater levels during the Third Quarter 2012 stabilized through November and increased during the month of December. This groundwater level increase is due to increased rainfall events in December 2012. While November 2012 had a total precipitation of 0.72 inches, the total precipitation in December was 4 inches, with three events with greater than approximately 0.5 inches of rainfall on December 7-10, 2012 (1.32 inches), December 20, 2012 (0.68 inches), and December 26, 2012 (0.48 inches)(USGS gaging station; Mill Creek at Kemper Road). Groundwater levels increased in all three water-bearing units as a result of December precipitation and groundwater recharge.
- The depression of groundwater levels in the Perched Zone established during the Second and Third Quarters 2012 was maintained during the first two months of the Fourth Quarter 2012 (Figure C-2).
- The depression of groundwater levels in the USG established during the Second and Third Quarters 2012 was maintained during the first two months of the Fourth Quarter 2012 (Figure C-3).

- The depression of groundwater levels in the LSG established during the Second and Third Quarters 2012 was maintained during the first two months of the Fourth Quarter 2012 (Figures C-4 and C-5).

4.1.2 Vertical Hydraulic Gradients

Hydrographs of select nested wells for the evaluation of vertical hydraulic gradients are included in Appendix D, as presented in Figures D-1 through D-9. Figure D-1 shows background conditions at the GM-9 nested wells. The following comments are provided:

- The regional vertical gradient between the Perched Zone, USG, and LSG is downward. However, in most areas of Perched Zone pumping, the vertical gradient between the Perched Zone and USG is upward due to pumping. Similarly, the vertical gradient between the USG and LSG (*i.e.*, AF-11S/D and OSMW-4S/D) has been upward due to the pumping of EW-7S (see Figures D-4 and D-5).
- In areas of relatively greater permeability between the major water-bearing zones, groundwater elevations in nested wells were similar to one another and approximated background conditions. For the Perched Zone/USG communication area, see OSMW-1P/S (Figure D-6) and PMW-3P/S (Figure D-7). For the USG/LSG communication area, see AF-9S/D (Figure D-8) in comparison to OSMW-3S/D (Figure D-9). The small downward vertical gradient in AF-9S/D reversed in early November (following system maintenance) to a slight upward vertical gradient at this well location (see Figure D-8).

A summary of statistical analysis of vertical gradients between the water-bearing units is presented in Tables 5 through 7. These tables include summary statistics for the Perched Zone-USG, USG-LSG, and Perched Zone-LSG, respectfully. The following comments are provided:

- In general, the results indicate no significant increasing or decreasing trends, suggesting that flow in the aquifers have reached steady state under pumping conditions
- Exceptions are the results for the background nested series: GM-9P/S, GM-9S/D, and GM-9P/D, (Tables 5 through 7). The increased downward vertical gradient is potentially due to seasonal recovery within the aquifers affecting the Perched slightly greater than the USG and LSG. Furthermore, the reduction in manual water level monitoring frequency has introduced some seasonal effects into the hydraulic analysis, which may require revising the hydraulic analysis to include using only the transducer data.
- Other exceptions are the results for the following nested series: AF-20S/D, OSMW-1P/D, OSMW-4S/D, and TMW-2S/D (Tables 6 and 7). An increased upward gradient at these well series locations is likely due to continued Perched and USG pumping.
- Hydraulic and chemical conditions will continue to be closely monitored, but at this time, there does not appear to be an indication of vertical cross-contamination.

4.1.3 Steady-State and Capture Zone Estimates

Statistical analyses to evaluate steady-state or equilibrium conditions are summarized in Table 8. The following comments are provided:

- The monitoring wells during the Fourth Quarter 2012 experienced generally stable water levels as discussed in Section 4.1.1, which resulted in a majority of the wells indicating no significant trend. As discussed further below, the water levels also indicate stable capture areas (*e.g.,* compared to estimated drawdown during the Third Quarter 2012 [O'Brien & Gere, 2012]) within each of the three units associated with the stable groundwater levels.
- The statistical test for equilibrium conditions (PMP, Appendix B-III) is designed for assessing the transition between Hydraulic Monitoring and Progress Monitoring. This transition was confirmed during the first half of 2012 and Progress Monitoring is continuing for all water-bearing zones. Wells included in manual monitoring (e.g., AF-5P/S, AF-6P, AF-10P/S, AF-12P/S/D, AF-13P/S, OSMW-10P/S/D, OSMW-11P/S and TMW-2P/S/D) will be removed from future statistical analysis due to the current quarterly schedule and the statistical requirement of using the last 8 measuring events. The data set used in the current analysis (Table

8) included data collected between February 2012 and January 2013, and as such is overly influenced by seasonal changes in groundwater levels.

- Wells monitored using transducers and showing a significant negative or decreasing trend (e.g., AF-7S, AF-8S, OSMW-1P, OSMW-3D, OSMW-4S/D, PMW-3S, and TMW-1S) are influenced by declining regional trends during the majority of the Fourth Quarter monitoring period, as reflected in the decreasing trend indicated for the background well series GM-9P/S/D.
- The statistical summary of steady-state conditions (Table 8) indicates stable trends due to regional stable water levels.
- Using groundwater elevation data, and correcting for background conditions, the estimated capture zone of the Perched Zone extraction wells is shown in Figure 2. The estimated capture zone approximates or exceeds the capture zone as designed.
- The Perched capture zone and drawdowns are indicative of steady-state conditions.
- Using groundwater elevation data, and correcting for background conditions, the estimated capture zone of the USG extraction well is shown in Figure 3. The estimated capture zone is slightly larger than the capture zone as designed.
- The USG capture zone and drawdowns are indicative of steady-state conditions.
- Using groundwater elevation data, and correcting for background conditions, the estimated capture zone of the LSG extraction wells is shown in Figure 4. The estimated capture zone is slightly larger than the capture zone as designed, and the capture zone formed by EW-3D appears to be asymmetrical toward the eastern property boundary of the site toward the PMW-3D area. This may be due to variable aquifer properties (*e.g.*, anisotropy and/or lower transmissivity) in this area.
- The LSG capture zone and drawdowns are indicative of steady-state conditions.

4.2 GROUNDWATER QUALITY DATA

Groundwater quality data were summarized via time-series analyses for individual and nested monitoring wells. Statistical analyses were also conducted to assess pumping risk associated with vertical and/or lateral cross-contamination.

4.2.1 Monitoring Well Data – Cross Contamination Analyses

Field bioparameters (*e.g.*, DO, ORP and pH) are measured to monitor whether pumping is having a detrimental effect on water quality conditions (*i.e.,* cross-contamination and/or reducing the effectiveness of biodegradation processes). Field measurements of DO, ORP and pH from select monitoring wells (Perched Zone, USG and LSG, and nested wells) are summarized in time-series graphs included in Appendix E, as presented in Figures E-1 through E-12. The field data are 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. The increasing trend in ORP readings in groundwater from AF-4P and PMW-3P/S will continue to be evaluated.

Groundwater quality data for total VOCs from select monitoring wells are also summarized in time-series graphs included in Appendix E, as presented in Figures E-1 through E-12. These include data for select Perched Zone, USG and LSG, and nested wells. The following comments are provided:

- VOCs concentrations appear to be stable for most wells monitored; however, increasing VOC concentrations were observed in AF-4 P/S, PMW-3S, PMW-3D, TMW-1P, OSMW-4D, and AF-9S (Figures E-3, E-6, E-7, E-9, and E-10). The increase in total VOCs at respective locations is as follows:
  - AF-4P - increase is due to non-chlorinated compounds 2-butanone and acetone.
  - AF-4S- increase is due to TCA, cis 1,2- DCE and TCE; however, concentrations are within historic concentrations since IRM startup. This is the first appearance of TCA and TCE since September 2011 and may be associated with the hydraulic gradient reversal observed in July 2012.
  - PMW-3S/D - increase is largely due to increases in the percentage of non-chlorinated VOCs such as MEK and acetone, which doubled in the percentage of these constituents relative to the total during the most recent sampling event. Since the last sampling in September 2012, vinyl chloride concentrations continued to decrease from 80 µg/l to 69 µg/l in PMW-3S; concentrations increased from 170 µg/l to 200 ug/l in PMW-3D, but remain below earlier peak concentrations.
  - TMW-1P- increase is due to TCA, DCA, TCE, 1,1-DCE, and VC. A large percentage (70%) of the increase is associated with TCA and TCE increases, which have returned to levels of recent quarters, and also increases in the VC and DCA concentrations.
  - OSMW-4D- increase is due to cis 1,2-DCE and VC, likely associated with the pumping of EW-8D.
  - AF-9S- increase is due to VC from 7 to 29µg/l.
- These wells will continue to be monitored to evaluate these conditions.

A statistical summary of intrawell analysis to evaluate the potential for vertical and lateral cross-contamination is presented in Table 9. Statistical analysis of nested and off-site wells for comparison with baseline quality (*i.e.*, TCE-group and TCA-group Upper Tolerance Limits [UTLs]) is summarized. The following comments are provided:

- The intrawell analysis for AF-6S (TCE Group), OSMW-5S (TCE Group), OSMW-9S (TCA Group), OSMW-11P (TCA Group) and OSMW-12P (TCA and TCE Groups) 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.
- The intrawell analysis for AF-4P was triggered for both the TCA and TCE Groups because the analysis compared the UTL values developed from non-detectable or low detections of baseline concentrations. However, the intrawell analysis for AF-4P indicates that the Perched zone pumping is drawing COPCs into the capture area of the extraction system (as designed), and is not an indication of vertical or lateral cross-contamination.
- The intrawell analysis for AF-13S was triggered for the TCE Group by an increase in the cis 1,2-DCE concentration and indicates that the USG zone pumping is drawing COPCs into the capture area of the extraction system (as designed), and is not an indication of vertical or lateral cross-contamination.
- The intrawell analysis for OSMW-4D was triggered for the TCE Group by an increase in the VC concentration and to a lesser extent the cis 1,2-DCE concentration and indicates that the LSG zone pumping is drawing COPCs into the capture area of the extraction system (as designed), and is not an indication of vertical or lateral cross-contamination.
- The intrawell analysis for OSMW-8D was triggered for the TCE Group by an increase in the VC concentration from 29 µg/l to 46 µg/l, but is within the historic high of 52.7µg/l, and will continue to be monitored.
- The intrawell analysis for OSMW-10S was triggered by an increase in TCE, cis1,2-DCE, and VC concentrations and could be indicative of vertical migration of impacted groundwater in the Perched/USG communication area, and will continue to be monitored and evaluated.
- The intrawell analysis for PMW-3D was triggered for the TCE Group and is indicative of potential vertical

cross-contamination largely due to the cis 1,2-DCE and vinyl chloride concentrations in this well. Concentrations have dropped below peak concentrations; however, both PMW-3S and PMW-3D will continue to be monitored for changes in TCE-group concentrations at a frequency greater than outlined in the PMP to allow continued evaluation of these wells.

The influence of potential off-site sources includes locations that are monitored by wells to the east of the Facility, such as the OSMW-11, OSMW-12, OSMW-13 series. A trigger of potential off-site contribution was indicated at OSMW-11P and OSMW-12P based on the UTL exceedance; however, the analysis compared the UTL values developed from no-detectable or low detections of baseline concentrations. Therefore, small increases of chemical concentrations will trigger the UTL exceedance. These wells will continue to be evaluated for cross-contamination from potential off site or other sources.

4.2.2 Extraction Well and Influent

Groundwater quality data for extraction wells and IRM system influent samples are included in Appendix F, as presented in Figures F-1 through F-9. Total VOC and individual CVOC concentrations for the combined influent from the active extraction wells are shown in Figure F-1. As anticipated, CVOCs are dominated by TCE (and to some degree, TCA) because the majority of pumping is from the Perched Zone. Total VOC concentrations over time for individual extraction wells are presented in Figure F-2. Time series plots of individual CVOC constituents for each Perched Zone, USG and LSG extraction well are shown in Figures F-3 through F-9. The following comments are provided:

- The data indicate steady or decreasing concentrations of CVOCs.

A statistical summary of extraction well and IRM system influent analysis to evaluate the progress of the IRM system is presented in Table 10. As outlined in the PMP, influent concentrations for each extraction well are evaluated statistically (*i.e.*, normal or lognormal distribution; parametric versus non-parametric; seasonal adjustment) to identify stable or decreasing trends in concentrations. The trend analysis assists in evaluating whether continued pumping is beneficial or operational effectiveness may be improved. The following comments are provided:

- The decrease in influent concentrations in the Perched extraction wells (and associated significant negative or decreasing trends) appear to be predominantly related to the decrease in TCE concentrations in extraction wells EW-4P, EW-5P, and EW-6P and TCA concentrations in extraction well EW-4P (see Figures F-2 through F-9, and Table 10). This is partially due to the higher mass percentage of TCE and TCA in these extraction wells. The influent analytical data should continue to be monitored during the First Quarter 2013 to evaluate if the pumping rates of the wells should be adjusted to accommodate varying saturated zone thickness.
- Decreases in other extraction well concentrations for individual constituents do not indicate the need for IRM system optimization associated with these wells. Decreases in cis 1,2-DCE in extraction wells EW-7S and EW-8D are off-set by increases in VC in these two extraction wells (see Figures F-7 and F-9). The decreasing trend in EW-3D is predominantly related to TCE and cis 1,2-DCE decreases and should continue to be monitored during the First Quarter 2013.

4.2.3 Semi-Annual Monitoring Wells

In keeping with the historical analysis and reporting of semiannual sampling data, maximum contaminant levels (MCLs) have been used as the screening criteria for the Facility. This has been at the request of USEPA Region V for semiannual sampling and does not represent cleanup goals for groundwater remediation at the Facility. The November 2012 groundwater analytical results detected above the USEPA MCLs are summarized in Table 11. Historical groundwater analytical results from the sampled wells are summarized in three figures graphically depicting concentrations of TCE, cis-1,2-DCE, 1,1-DCE, VC, TCA, DCA, and total VOCs in the Perched zone (Figure 5), USG (Figure 6), and LSG (Figure 7).

As mentioned previously, within the group of semiannual sampling wells, there generally exist two subgroups in relation to the groundwater IRM. The first subgroup includes the majority of the wells and which are located on or in the immediate vicinity of former AFP36. The second subgroup includes a smaller group of wells located beyond the area of the groundwater IRM drawdown at wells AOC LDMW-1S, AOC PSTMW-1SR, and AOC PSTMW-2S as well as OSMW-5S/D and OSMW-8S/D. For the majority of monitoring wells sampled during November 2012 (including groundwater IRM Progress Monitoring wells), analytical results from this semiannual sampling event compare favorably (*i.e.,* stable or declining trends) with results for the previous sampling events, regarding concentrations and constituents detected. The results for these wells compare favorably with historical data and the current results, falling below previous maximums or within the range of typical variation for the historical groundwater data (particularly recent historical data since 2009). Additional observations include:

- The following wells showed an accelerated rate of concentration decline since startup of the groundwater IRM system in July 2011:
  - **Perched Zone** - well AF-7P, TMW-1P concentrations showed a decreasing trend since system startup, however, concentrations have increased for recent sampling event.
  - **USG** - wells AF-4S, AF-5S, AF-6S, AF-11S (decreasing trend since system startup, however, concentrations have increased over the past recent sampling events), AF-13S (decreasing trend since system startup, however, concentrations have increased over the past recent sampling events), and OSMW-1S (well OSMW-1S showed historical increasing trends in DCE and VC but showed a reversal in this trend following IRM system startup).
  - **LSG** - wells AF-11D, OSMW-1D, and OSMW-3D

Water quality at the following wells exhibited noteworthy changes (*e.g.,* increase above MCL or generally a +/- 20% difference in historical concentrations) in chemical concentration from the previous recent sampling events:

- **Perched Zone**
  - AF-5P - concentrations of 1,1,1-TCA and TCE have increased since the last semiannual sampling event, but remain below steady-state concentrations established prior to IRM system startup.
  - AF-7P - concentrations of 1,1,1-TCA and TCE have continued to decrease since the last semiannual sampling event.
  - AF-23P - concentrations of 1,1,1-TCA, 1,1-DCA and VC have increased since the last semiannual sampling event, but remain below concentrations established prior to IRM system startup.
  - AF-24P - concentrations of 1,1,1-TCA, cis 1,2-DCE, trans 1,2-DCE and VC have increased since the last semiannual sampling event. Overall trends continue to be downward; however, the continued increase in these compounds over the last several sampling events is believed to be due to plume movement/recovery associated with operation of the groundwater IRM system.
  - H-221 - concentrations of 1,1,1-TCA and TCE have increased since the last semiannual sampling event, and have increased to concentrations approximating peak concentrations observed in November 2007.
  - TMW-1P - concentrations of 1,1,1-TCA, 1,1-DCE, 1,1-DCA, cis 1,2-DCE and VC have increased since the last semiannual sampling event, reversing decreasing trends established since IRM system startup.
- **USG**
  - AF-9S- concentrations of VC have increased (from 6.7 µg/l to 29 µg/l) since the last semiannual sampling event, above steady-state concentrations established prior to IRM system startup.

  - OSMW-1S- concentrations of 1,1-DCE, cis 1,2-DCE and VC have continued to decrease since the last semiannual sampling event, remaining well below peak concentrations established prior to IRM system startup.
  - TMW-1S- concentrations of cis 1,2-DCE and VC have increased since the last semiannual sampling event, but overall trends continue to be downward.

- **LSG**
  - OSMW-1D – VC concentrations continue to decrease from the last semiannual sampling event (from 170 µg/l to 35 µg/l). Concentrations of cis 1,2-DCE also continued to decrease from the last semiannual sampling event (from 380µg/l to 13 µg/l). Concentrations of both CVOCs have continued to decrease since peak concentrations were measured shortly after IRM system startup in October 2011.
  - OSMW-4D – historically, VC concentrations were in steady decline, however, since the last semiannual sampling event VC concentrations increased from 38µg/l to 88µg/l, continuing to increase over the last several sampling events since January 2012. Due to close proximity to EW-7S, the increase is believed to be due to plume movement/recovery associated with EW-7S.
  - OSMW-6D- concentrations of cis 1,2-DCE and VC have increased since the last semiannual sampling event, but overall trends continue to be downward.
  - TMW-2D- VC concentrations have increased from 1.9 µg/l to 76 µg/l and cis 1,2-DCE concentrations have increased from 3.2 to 590 µg/l since the last semiannual sampling event, and above peak historical concentrations measured prior to IRM system startup.

COPC concentrations for the majority of wells within the second smaller subgroup (*i.e.*, AOC LDMW-1S, AOC PSTMW-1SR, and AOC PSTMW-2S; OSMW-5D and OSMW-8S) continue to show decreasing or stable concentrations (within the range of typical variation for the historical groundwater data). However, OSMW-5S and OSMW-8D exhibited increasing concentrations as discussed below:

- OSMW-5S - the VC concentration increased from 6.6 µg/l to 8.2 µg/l since the last semiannual sampling event, and continues to slowly increase over time. The cis 1,2-DCE concentration remained the same (11 µg/l) as the last semiannual sampling event, but this is the highest concentration detected.
- OSMW-8D - the VC concentration increased from 29 µg/l to 46 µg/l since the last semiannual sampling event, but is within the historic high of 52.7µg/l.

5 SUMMARY

Groundwater monitoring during the Fourth Quarter 2012 consisted of the collection and analysis of groundwater level and quality data to evaluate the occurrence of cross-contamination and significant short-term anomalies. Highlights of this evaluation are summarized as follows:

5.1 IRM-RELATED MONITORING

In areas of active pumping and observed drawdown (*e.g.*, within approximately 200 to 250 feet of extraction wells), the regional downward vertical gradient between the pumped and underlying water-bearing unit was reversed following startup of pumping. In contrast, groundwater levels in those nested wells completed in the Perched Zone/USG and USG/LSG communication areas were at similar elevations. In these areas, the small vertical gradients periodically reverse direction and will continue to be monitored as outlined in the PMP.

The estimated capture zones in the Perched Zone, USG and LSG approximate, or are greater than, the design capture zone, meeting an objective of the groundwater IRM .

Groundwater level monitoring in the Perched Zone, USG, and LSG during the Fourth Quarter 2012 indicates steady-state conditions, superimposed upon a seasonal increase in overall groundwater levels.

Groundwater quality data do not show significant trends in VOC concentrations indicative of cross-contamination, based on nested wells completed in the Perched Zone, USG and LSG units. An exception is for PMW-3S/3D and OSMW-10S. Groundwater from PMW-3S/D has shown increasing VC concentrations since the end of First Quarter 2012, however concentrations in the USG are showing signs of decreasing concentration and VC concentrations in PMW-3D remain below peak concentrations measured in June 2012. Groundwater from OSMW-10S has shown increasing concentrations of TCA and TCE and associated degradation products, reversing a downward trend last measured in February 2012. Concentration trend and groundwater flow direction will continue to be monitored.

Conclusions from hydrograph and VOC time-series analyses are further supported by statistical analyses, summarized as follows:

- **Vertical Cross-Contamination – Hydraulic Data**
  - *No Apparent Increased Risk of Vertical Cross-Contamination at Present Pumping Rates Based on Available Data (except possibly the area of PMW-3S/D [1])*
- **Vertical Cross-Contamination – Chemical Data**
  - *Results from PMW-3S/D[1] and OSMW-10S indicate an Apparent Increased Risk of Vertical Cross-Contamination at Present Pumping Rates Based on Available Data*
- **Extraction Well Influent – Chemical Data**
  - *Continue Pumping/Evaluate EW-4P, EW-5P, EW-6P, and EW-3D during the First Quarter 2013 to evaluate IRM system optimization*
- **Potential Off-Site Sources – Chemical Data**
  - *Results from PMW-3S/D[1] (and possibly OSMW-10S) indicate an Apparent Contribution from Potential Off-Site Sources*

[1] Vinyl chloride increases at PMW3S/D, coupled with a nearby southwesterly groundwater flow direction; suggest potential off-site (to the east) source(s). Recent data collected in November 2012 may indicate a near-term stabilization or decrease of concentrations and will be discussed in more detail in the First Quarter 2013 report. Concentration trend and groundwater flow direction will continue to be monitored at an accelerated frequency.

5.2 SEMI-ANNUAL MONITORING

Analytical results for the November 2012 semiannual sampling event (including groundwater IRM monitoring) showed stable or declining trends in VOC concentrations for the majority of wells when compared with historical and recent data. Increasing VOC concentrations were observed in select monitoring wells associated with plume movement/recovery (AF-5P, AF-23P, AF-24P, TMW-1P, AF-9S, TMW-1S, TMW-1S, TMW-2D, and OSMW-4D) related to startup and operation of the groundwater IRM system. Some notable increases in concentrations not related to plume movement or recovery include wells H-221, TMW-2D, OSMW-5S, and OSMW-8D.

Wells completed in the USG downgradient of the facility (OSMW-9S and OSMW-5S) continue to show an increase in concentrations of VC and/or cis 1,2-DCE. VC concentrations in OSMW-8D have also increased recently, but are below historic peak concentrations.

6 ANNUAL SUMMARY - 2012

A summary and evaluation is provided of key findings from groundwater IRM system operation and monitoring data collected during 2012. The IRM system was monitored in accordance with the USEPA-approved PMP during 2012, including IRM performance monitoring (influent and effluent concentrations), and groundwater quality and hydraulic (water level) monitoring associated with the IRM system. The only exception is the Third Quarter 2012 performance groundwater quality monitoring was conducted only at monitoring well locations PMW-3S and PMW-3D. In addition, semiannual groundwater quality monitoring during 2012 was conducted in accordance with the USEPA-approved August 2009 Work Plan.

6.1 IRM SYSTEM OPERATIONS

To assist in reviewing 2012 groundwater monitoring data and trends, the following summary is provided for the IRM system operations:

- The system operated for a total of 343 days or 94% in 2012, with short-term shut down of a few hours to a day for routine maintenance. The system was shut down for more extensive maintenance from August 8 through 15, 2012 and September 17 through 20, 2012.
- USG extraction well EW-7S was redeveloped in January 2012 to restore its well capacity
- The average IRM system extraction (flow) rate during operation was approximately 325 gpm in 2012, with the extraction rate from each water-bearing zone as follows:
  - Perched Zone extraction system:
    - EW-2P: 48 gpm
    - EW-4P: 34 gpm
    - EW-5P: 49 gpm
    - EW-6P: 52 gpm
  - USG extraction well EW-7S operated at approximately 47 gpm
  - LSG extraction wells EW-3D and EW-8D operated at approximately 48 gpm each
- A total of 170 million gallons of groundwater were extracted by the IRM system in 2012

6.2 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 were maintained in 2012
  - The depression of groundwater levels established during the First Quarter 2012 in the USG (following the redevelopment of EW-7S), were maintained through the remainder of 2012

- 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. Similarly, the vertical gradient between the USG and LSG (*i.e.*, AF-11S/D and OSMW-4S/D) has been upward since the restart of the pumping of EW-7S (see Figures D-4 and D-5)
  - In areas of relatively greater permeability between the major water-bearing zones, groundwater elevations in nested wells were similar to one another. For the Perched Zone/USG communication area, see OSMW-1P/S (Figure D-6) and PMW-3P/S (Figure D-7). For the USG/LSG communication area, see AF-9S/D (Figure D-8) in comparison to OSMW-3S/D (Figure D-9). The small downward vertical gradient in AF-9S/D that began in May 2012 reversed in early November (following system maintenance in August and September) to a slight upward vertical gradient at this well location (see Figure D-8)
  - The results indicate no significant increasing or decreasing trends, suggesting that flow in the aquifers have reached steady state under pumping conditions
  - Exceptions to the above were observed during 2012 and reported in each of the 2012 quarterly reports. Most of the exceptions were the result of temporal changes due to seasonal fluctuations in groundwater levels, and did not appear to be indicative of vertical cross-contamination
  - In 2012, there were no apparent increased risks of vertical cross-contamination observed at the 2012 pumping rates based on available data, with the exception of the area of PMW-3S/D. Vinyl chloride concentration increases at PMW3S/D, coupled with a nearby southwesterly groundwater flow direction; suggest potential off-site (to the east) source(s). Data collected in November 2012 may indicate stabilization or decrease of concentrations that will continue to be monitored at an accelerated frequency in 2013
- Steady-State and Capture Zone Estimates:
  - Allowing for seasonal fluctuations in regional groundwater levels (which caused decreasing water levels during the majority of 2012), the steady-state conditions established in 2011 continued in 2012 in the Perched Zone and LSG. Steady-state conditions that were established in the First Quarter 2012 in the USG continued during the remainder of 2012
  - Steady-state conditions allowed continuation of Progress Monitoring in the Perched Zone, USG and LSG in 2012
  - The estimated Perched Zone, USG and LSG capture zones (Figures 2 through 4) observed in 2012 approximate the capture zones as designed, with each capture zone slightly larger than designed and extending further eastward in the Perched Zone and LSG

6.3 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 2012 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. The increasing trend in ORP readings, especially in groundwater from AF-4P and PMW-3P/S will continue to be monitored and evaluated
  - In 2012, there was no apparent increased risk of vertical cross-contamination observed at the 2012 pumping rates based on available data. An exception is the area of PMW-3S/D, which increased in concentrations and triggered a statistical exceedance for potential vertical or lateral (off-site) cross-contamination during the Second Quarter 2012. As indicated above, concentrations peaked during the

Third Quarter 2012, and will continue to be monitored at an accelerated frequency in 2013. In addition, Fourth Quarter 2012 results from OSMW-10S indicate a potential increased risk of vertical or lateral (off-site) cross-contamination that will continue to be monitored

- **Extraction Well Influent – Chemical Data**
  - The data indicate steady state or decreasing concentrations in CVOCs and Progress Monitoring will continue for the Perched Zone, USG and LSG
  - Decreasing influent concentrations in the Perched extraction wells are predominantly related to the decrease in TCE concentrations in extraction wells EW-4P, EW-5P, and EW-6P and TCA concentrations in extraction well EW-4P (see Figures F-2 through F-9, and Table 10). The influent analytical data will continue to be monitored during the First Quarter 2013 to evaluate pumping rate adjustments for the wells
  - Decreases in other extraction well concentrations in 2012 for individual constituents do not indicate the need for IRM system optimization at this time
  - The evaluation of PMW-3S/D and of EW-3D will be continued during the First Quarter 2013 to evaluate IRM system optimization.

6.4 SEMIANNUAL GROUNDWATER QUALITY DATA

Semiannual analytical results for 2012 showed stable or declining trends in VOC concentrations for the majority of wells when compared with historical and recent data. Increasing VOC concentrations were observed in select monitoring wells associated with plume movement/recovery (AF-5P, AF-23P, AF-24P, TMW-1P, AF-9S, TMW-1S, TMW-1S, TMW-2D, and OSMW-4D) related to operation of the groundwater IRM system.

Some notable increases in concentrations not related to plume movement/recovery include wells H-221, TMW-2D, OSMW-5S, OSMW-6D, and OSMW-8D:

- Wells completed in the USG downgradient of the facility (OSMW-9S and OSMW-5S) continue to show an increase in concentrations of VC and/or cis 1,2-DCE
- VC concentrations in OSMW-8D have also increased recently, but are below historic peak concentrations.

7 REFERENCES

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Tables

Table 1

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Location and Frequency of Hydraulic and Chemical Monitoring (4Q-12)

Hydraulic Monitoring		
Group A	**Group B**	**Group C**
Recorded every 30 minutes; downloaded quarterly[1]	Manual - quarterly[1]	Manual - quarterly[1]
AF-4P	AF-5P	AF-2P
AF-4S	AF-5S	AF-8S
AF-7P	AF-6P	AF-14P
AF-7S	AF-6S	AF-14S
AF-7D	AF-10S	AF-15D
AF-9S	AF-12P	AF-17D
AF-9D	AF-12S	AF-23P
AF-10P	AF-12D	H-223
AF-11S	AF-13P	OSMW-6D
AF-11D	AF-20S	OSMW-7D
AF-13S	AF-20D	OSMW-9S
AF-19S	AF-21D	
AF-19D	OSMW-1P	
AF-25P	OSMW-2P	
GM-9P	OSMW-9D	
GM-9S	OSMW-10P	
GM-9D	OSMW-10S	
OSMW-1S	OSMW-10D	
OSMW-1D	OSMW-11P	
OSMW-3S	OSMW-11S	
OSMW-3D	PMW-2D	
OSMW-4S	PMW-5P	
OSMW-4D	TMW-2P	
PMW-3P	TMW-2S	
PMW-3S	TMW-2D	
PMW-3D		
PMW-4D		
PMW-6P		
TMW-1P		
TMW-1S		
Groundwater Sampling Group D		
Quarterly [2,3,4]		
AF-4P	AF-25P	OSMW-11S
AF-4S	OSMW-1P	OSMW-11D
AF-5P	OSMW-1S	OSMW-12P
AF-5S	OSMW-1D	OSMW-13P
AF-6S	OSMW-3S	PMW-2D
AF-7P	OSMW-3D	PMW-3P
AF-7S	OSMW-4S	PMW-3S
AF-7D	OSMW-4D	PMW-3D
AF-9S	OSMW-6D	PMW-4D
AF-11S	OSMW-9S	TMW-1P
AF-11D	OSMW-9D	TMW-1S
AF-13P	OSMW-10P	TMW-1D
AF-13S	OSMW-10S	TMW-2S
AF-19S	OSMW-10D	TMW-2D
AF-19D	OSMW-11P	

[1] Semi-weekly = every half week; Semi-monthly = every half month; Bi-monthly = every two months

[2] USEPA Methods 8260B as per QAPP (O'Brien & Gere, 2009)

[3] Data Validation - Level A for all sampling, except verification re-sampling at Level B (see Appendix C)

[4] For a complete list of analytes and frequencies, see Table 10 of the Performance Monitoring Plan (O'Brien & Gere, 2010)

Additionally, the following semiannual groundwater sampling program wells that are not also part of the PMP sampling program are hydraulically monitored and sampled during the second and fourth quarterly sampling events: AF-2P, AF-3P, AF-5D, AF-21D, AF-23P, AF-24P, AOC LDMW-1S, AOC PSTMW-1SR, AOC PSTMW-2S, H-221, OSMW-2P, OSMW-5S, OSMW-5D, OSMW-6S, OSMW-7D, OSMW-8S, and OSMW-8D

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		T	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-23P	AF-23P	AF-23P		457010.00	1417595.00	560.00	559.75	2.00	22.88	537.12	32.88	527.12	32.15
	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[5]
	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		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			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[5]
	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		T	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

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				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		T	456488.94	1416522.95	565.20	567.91	2.00	46.50	518.70	56.50	508.70	56.5[5]
	AF-14S				456526.22	1416788.87	559.50	558.56	2.00	56.50	503.00	66.50	493.00	66.5[5]
	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			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

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[5]
	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			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[5]
	OW-4D				455422.91	1417165.94	559.68	559.41	2.00	135.00	424.68	140.00	419.68	140[5]
	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		T	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] Fourth Quarter 2012: 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	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-23P	457010.00	1417595.00	560.00	559.75	2.00	22.88	537.12	32.88	527.12	32.15
			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

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	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] Fourth Quarter 2012: Progress Monitoring in the Perched, USG and LSG.
[2] Semiannual sampling occurs in the second and fourth quarters.
[3] Total depths from ground surface (GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D).

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-12) - Detected Parameters Only

Location		AF-11D	AF-11S	AF-13P	AF-13S	AF-19D	AF-19S	AF-21D	AF-23P	AF-24P	AF-25P	AF-2P	AF-3P	AF-4P	AF-4S	AF-5D
Sample Date		11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/6/2012	11/6/2012	11/7/2012
FIELD PARAMETERS	**units**															
pH	S.U.	7.90	7.28	7.85	10.87	7.30	7.31	7.20	7.24	7.33	7.15	7.11	5.92	7.61	7.34	7.41
Conductivity (mS/cm)	mS/cm	0.641	0.737	0.413	0.339	0.796	0.942	0.532	1.402	3.313	3.371	1.087	0.956	0.663	1.001	0.931
Turbidity (NTUs)	NTUs	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DO (mg/L)	mg/L	0.11	0.42	0.63	3.41	0.10	0.14	0.33	0.51	0.45	0.48	0.67	0.51	1.48	0.25	0.24
Temperature (*° c)*	Deg C	15.64	16.83	19.39	16.98	16.30	17.11	15.68	20.11	19.14	18.92	16.07	16.83	16.94	16.32	14.32
ORP (mV)	mV	-286.9	-99.7	-104.7	-100.8	-190.6	-161.7	-172.5	-27.8	-188.1	-172.1	-28.3	-36.4	33.7	-137.6	-154.6
DETECTABLE VOCs	**units**															
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	410	710	86	2.7	37	63	5.2	< 1 J *
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 2	< 1	< 1	< 2	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	1.1	< 1	< 1	< 1	0.62 J	< 1	78	120	28	7.4	2.7	7.1	9	< 1
1,1-Dichloroethene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	42	98	15	< 1	2	4.6	2.4	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 2	< 1	< 1	< 2	< 1	< 1
2-Butanone (MEK)	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 20	< 10	< 10	21	< 10	< 10
Acetone	ug/l	4.8 J	3.2 J	6.6 J	5.8 J	3.4 J	5.6 J	8 J	< 50	< 50	< 20	3.6 J	3.9 J	37	6.1 J	8.5 J
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	1.4 J	< 1	< 1	< 2	1.7	< 1
Chloroethane	ug/l	0.44 J	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	200	< 1	< 1	< 2	3.6	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.8 J	2.3 J	< 2	< 1	0.62 J	1.2 J	< 1	< 1
cis-1,2-Dichloroethene	ug/l	< 1	35	< 1	36	< 1	< 1	0.99 J	12	590	21	< 1	4.5	2.8	38	< 1
Methylene Chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 2	< 1	< 1	< 2	< 1	< 1
Tetrachloroethene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6.7	1.8 J	0.92 J	< 1	14	14	< 1	< 1
trans-1,2-Dichloroethene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	76	2.5	< 1	< 1	< 2	1.2	< 1
Trichloroethene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	440	65	72	46	82	110	8.6	< 1
Vinyl chloride	ug/l	< 1	54	< 1	3.6	< 1	21	< 1	< 5	29	23	< 1	< 1	< 2	34	< 1

Notes:
1) J = Estimated
2) NM = Not Measured

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-12) - Detected Parameters Only

Location		AF-5P	AF-5S	AF-6S	AF-7D	AF-7P	AF-7S	AF-9S	AOC LDMW-1S	AOC PSTMW-1SR	AOC PSTMW-2S	H-221	OSMW-10D	OSMW-10P
Sample Date		1/6/1900	11/7/2012	11/6/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/8/2012	11/7/2012	11/7/2012	11/8/2012	11/6/2012	11/6/2012
FIELD PARAMETERS	**units**	1												
pH	S.U.	6.91	7.33	7.29	7.34	6.71	7.20	7.06	7.31	6.62	6.80	6.80	7.09	6.68
Conductivity (mS/cm)	mS/cm	0.934	0.935	1.052	0.917	0.701	0.775	0.742	0.44	2.899	2.138	1.022	1.071	0.966
Turbidity (NTUs)	NTUs	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DO (mg/L)	mg/L	0.41	0.26	0.52	0.38	0.92	0.76	0.68	0.80	0.51	1.00	0.43	0.17	0.24
Temperature (°C)	Deg C	15.61	16.09	19.62	14.58	17.30	17.08	16.55	20.45	16.40	17.34	16.50	14.99	17.28
ORP (mV)	mV	-100.7	-178.3	-150.0	-158.8	-122.7	-146.3	-127.9	-42.2	-57.5	38.7	-146.2	-79.1	-115.8
DETECTABLE VOCs	**units**													
1,1,1-Trichloroethane	ug/l	72	< 1 J *	< 1	< 1 J *	49	< 10 J *	< 1	760	< 1	5.3	74	< 1	220
1,1,2-Trichloroethane	ug/l	< 4	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 2	< 1	< 4
1,1-Dichloroethane	ug/l	2.8 J	5.1	< 1	< 1	28	20	1.2	28	< 1	< 1	5.3	< 1	16
1,1-Dichloroethene	ug/l	4.3	< 1	< 1	< 1	2.8	5.4 J	< 1	68	< 1	0.88 J	4.8	< 1	22
1,2-Dichloroethane	ug/l	< 4	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 2	< 1	< 4
2-Butanone (MEK)	ug/l	< 40	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 20	< 10	< 40
Acetone	ug/l	< 40	4.9 J	5.4 J	13	12	< 100	4.4 J	< 100	4.5 J	3.1 J	< 20	6.5 J	< 40
Benzene	ug/l	< 4	0.55 J	< 1	< 1	< 1	< 10	0.41 J	< 10	< 1	< 1	< 2	< 1	< 4
Chloroethane	ug/l	< 4	0.52 J	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 2	< 1	< 4
Chloroform	ug/l	< 4	< 1	< 1	< 1	< 1	< 10	< 1	4.4 J	< 1	< 1	< 2	< 1	< 4
cis-1,2-Dichloroethene	ug/l	< 4	3	1.1	< 1	5.7	710	1.7	< 10	< 1	< 1	3.9	< 1	12
Methylene Chloride	ug/l	< 4	< 1	< 1	< 1	< 1	< 10	< 1	4.8 J	< 1	< 1	< 2	< 1	< 4
Tetrachloroethene	ug/l	< 4	< 1	< 1	< 1	0.94 J	< 10	< 1	< 10	< 1	< 1	< 2	< 1	< 4
trans-1,2-Dichloroethene	ug/l	< 4	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 2	< 1	< 4
Trichloroethene	ug/l	280	< 1	< 1	< 1	76	< 10	< 1	490	< 1	0.79 J	110	< 1	190
Vinyl chloride	ug/l	< 4	42	2	< 1	< 1	860	29	< 10	< 1	< 1	< 2	2.2	26

Notes:
1) J = Estimated
2) NM = Not Measured

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-12) - Detected Parameters Only

Location		OSMW-10S	OSMW-11D	OSMW-11P	OSMW-11S	OSMW-12P	OSMW-13P	OSMW-1D	OSMW-1P	OSMW-1S	OSMW-2P	OSMW-3D	OSMW-3S	OSMW-4D	OSMW-4S
Sample Date		11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/7/2012	11/7/2012	11/8/2012	11/8/2012
FIELD PARAMETERS	**units**														
pH	S.U.	7.17	7.19	7.13	7.24	7.10	7.07	6.97	6.40	6.74	6.95	6.95	6.91	6.95	6.88
Conductivity (mS/cm)	mS/cm	1.196	1.591	1.246	1.557	0.883	1.248	1.294	1.506	1.375	1.303	0.911	0.811	0.934	0.94
Turbidity (NTUs)	NTUs	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DO (mg/L)	mg/L	0.20	0.16	0.47	0.33	0.66	0.48	0.48	1.11	0.50	0.67	0.32	0.38	0.23	0.18
Temperature (°*c)*	Deg C	17.33	15.11	17.40	15.54	15.60	17.99	14.98	16.03	15.95	15.68	14.66	17.14	15.53	16.25
ORP (mV)	mV	-44.2	-48.7	-101.9	-32.4	-82.7	2.5	-140.6	187.6	-113.2	-129.1	-124.7	-118.7	-155.1	-181.5
DETECTABLE VOCs	**units**														
1,1,1-Trichloroethane	ug/l	190	0.99 J	< 1	2.4	4.7	< 1	< 1	< 1 J *	< 2	< 1	< 1 J *	< 1 J *	< 1 J *	< 1 J *
1,1,2-Trichloroethane	ug/l	0.4 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	76	32	2.6	31	2.4	4.3	2.7	2.9	3.5	5.5	4.5	1.2	8	0.88 J
1,1-Dichloroethene	ug/l	48	4.1	< 1	3.7	0.34 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	1.9	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 10
Acetone	ug/l	4.9 J	4.4 J	3.7 J	4.7 J	5.5 J	4.2 J	4.6 J	5.8 J	< 20	3.1 J	26	5.4 J	< 10	4 J
Benzene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0.5 J	1.3	< 1	< 1	< 1
Chloroethane	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethene	ug/l	91	270	1.2	280	< 1	2.3	13	< 1	140	20	15	1.9	37	3.4
Methylene Chloride	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
trans-1,2-Dichloroethene	ug/l	2.7	6	< 1	5.6	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	7.9	< 1
Trichloroethene	ug/l	57	24	< 1	36	5.1	< 1	< 1	< 1	< 2	< 1	5.9	< 1	< 1	< 1
Vinyl chloride	ug/l	26	5.9	< 1	5.4	< 1	< 1	35	< 1	100	30	11	7.3	88	22

Notes:
1) J = Estimated
2) NM = Not Measured

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-12) - Detected Parameters Only

Location		OSMW-5D	OSMW-5S	OSMW-6D	OSMW-6S	OSMW-7D	OSMW-8D	OSMW-8S	OSMW-9D	OSMW-9S	PMW-2D	PMW-3D
Sample Date		11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/6/2012	11/6/2012	11/6/2012	11/6/2012
FIELD PARAMETERS	**units**											
pH	S.U.	6.96	6.92	7.57	7.28	7.04	7.24	11.77	7.21	7.48	6.81	7.10
Conductivity (mS/cm)	mS/cm	1.349	1.28	0.848	0.7	0.916	0.883	1.838	0.888	1.055	0.857	0.836
Turbidity (NTUs)	NTUs	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
DO (mg/L)	mg/L	0.57	0.78	0.16	0.18	0.42	0.19	0.64	0.11	0.25	0.28	0.13
Temperature (°*c*)	Deg C	14.48	15.08	15.82	16.38	14.70	16.00	15.82	15.57	16.22	14.05	14.65
ORP (mV)	mV	-135.5	-145.6	-214.9	-187.1	-147.2	-150.7	-228.0	-121.2	-165.7	-114.9	-134.1
DETECTABLE VOCs	**units**											
1,1,1-Trichloroethane	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	61
1,1,2-Trichloroethane	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4
1,1-Dichloroethane	ug/l	< 2	1.7	5	5.7	< 1	< 1	1.8	< 1	2.1	< 1	31
1,1-Dichloroethene	ug/l	0.62 J	< 1	2	9.8	< 1	< 1	< 1	< 1	2.4	< 1	5.8
1,2-Dichloroethane	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4
2-Butanone (MEK)	ug/l	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	6.9 J
Acetone	ug/l	< 20	3.7 J	7 J	8.9 J	3.5 J	3.1 J	< 10	4.9 J	7.3 J	12	51
Benzene	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4
Chloroethane	ug/l	< 2	< 1	4.1	14	< 1	< 1	< 1	< 1	< 1	< 1	< 4
Chloroform	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4
cis-1,2-Dichloroethene	ug/l	170	11	25	67	< 1	< 1	< 1	< 1	88	< 1	37
Methylene Chloride	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4
Tetrachloroethene	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4
trans-1,2-Dichloroethene	ug/l	5.9	0.96 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 4
Trichloroethene	ug/l	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	23
Vinyl chloride	ug/l	8.9	8.2	75	14	7	46	4.2	22	250	< 1	200

Notes:
1) J = Estimated
2) NM = Not Measured

Table 4

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Summary of Groundwater Sampling Results (4Q-12) - Detected Parameters Only

Location		PMW-3P		PMW-3S		PMW-4D		TMW-1D		TMW-1P		TMW-1S		TMW-2D		TMW-2S	
Sample Date		11/6/2012		11/6/2012		11/6/2012		11/7/2012		11/6/2012		11/7/2012		11/7/2012		11/7/2012	
FIELD PARAMETERS	**units**																
pH	S.U.	7.09		7.19		12.03		7.07		7.37		6.97		7.26		6.92	
Conductivity (mS/cm)	mS/cm	0.919		0.862		1.887		0.841		1.364		1.521		0.91		0.802	
Turbidity (NTUs)	NTUs	NM		NM		NM		NM		NM		NM		NM		NM	
DO (mg/L)	mg/L	0.36		0.20		0.27		0.38		0.63		0.43		0.33		0.54	
Temperature (°*c*)	Deg C	18.05		17.32		15.60		14.81		18.37		16.56		14.95		16.80	
ORP (mV)	mV	-25.4		-50.6		-200.1		-145.6		17.1		-156.1		-161.9		-169.5	
DETECTABLE VOCs	**units**																
1,1,1-Trichloroethane	ug/l	200		20		< 1		< 1	J *	260		< 1	J *	< 1	J *	< 1	J *
1,1,2-Trichloroethane	ug/l	< 5		< 2		< 1		< 1		< 5		< 1		< 1		< 1	
1,1-Dichloroethane	ug/l	24		65		< 1		< 1		64		< 1		2.2		< 1	
1,1-Dichloroethene	ug/l	21		2.9		< 1		< 1		29		< 1		1.2		< 1	
1,2-Dichloroethane	ug/l	< 5		< 2		< 1		< 1		< 5		< 1		< 1		< 1	
2-Butanone (MEK)	ug/l	< 50		5.9	J	< 10		< 10		< 50		< 10		< 10		< 10	
Acetone	ug/l	< 50		55		5.1	J	5.5	J	< 50		6.6	J	4.6	J	3.8	J
Benzene	ug/l	< 5		< 2		< 1		< 1		< 5		< 1		3.6		< 1	
Chloroethane	ug/l	< 5		< 2		< 1		< 1		< 5		< 1		< 1		< 1	
Chloroform	ug/l	< 5		< 2		< 1		< 1		2.2	J	< 1		< 1		< 1	
cis-1,2-Dichloroethene	ug/l	300		82		< 1		< 1		51		6.3		590		< 1	
Methylene Chloride	ug/l	< 5		< 2		< 1		< 1		< 5		< 1		< 1		< 1	
Tetrachloroethene	ug/l	< 5		< 2		< 1		< 1		< 5		< 1		< 1		< 1	
trans-1,2-Dichloroethene	ug/l	< 5		< 2		< 1		< 1		< 5		< 1		220		< 1	
Trichloroethene	ug/l	100		3.4		< 1		< 1		420		< 1		2.8		< 1	
Vinyl chloride	ug/l	< 5		69		6.6		< 1		130		18		76		< 1	

Notes:
1) J = Estimated
2) NM = Not Measured

Table 5

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-5	AF-7	AF-12	GM-9
Is Slope Less than the Error?	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8
Slope	0.000	0.000	0.000	0.000	0.000
Intercept	-0.0730	-1.3833	-2.0574	0.0992	-0.1133
Standard Error of Estimates	0.011	0.023	0.017	0.013	#NUM!
X Variable Coefficient	0.00000204	0.00003335	0.00004956	0.00001091	0.00000417
P-Value	0.932	0.691	0.610	0.817	0.000
Trend Analysis	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	Significant Positive Trend
Magnitude	0.031	0.075	0.043	0.036	0.0008
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	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 5

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	OSMW-11	PMW-3	TMW-1	TMW-2
Is Slope Less than the Error?	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8
Slope	0.000	0.000	0.000	0.000	-0.001	0.000
Intercept	-1.1004	3.0016	1.9868	0.4390	35.6851	6.7801
Standard Error of Estimates	0.010	0.006	0.009	0.008	0.097	0.026
X Variable Coefficient	0.00002663	-0.00007269	-0.00004133	-0.00001067	-0.00086814	-0.00016349
P-Value	0.652	0.007	0.215	0.805	0.154	0.117
Trend Analysis	No Significant Trend	Significant Negative Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend
Magnitude	0.027	0.028	0.027	0.021	0.333	0.084
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	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 - USG to LSG

USG - LSG STATS.	AF-7	AF-9	AF-11	AF-12
Is the Slope Less than the Error?	YES	YES	YES	YES
Number of Data Points	8	8	8	8
Slope	0.000	0.000	0.000	0.000
Intercept	0.2889	0.8529	1.1855	-1.0066
Standard Error of Estimates	0.002	0.007	0.006	0.011
X Variable Coefficient	-0.00000607	-0.00002070	-0.00002891	0.00002465
P-Value	0.495	0.593	0.435	0.544
Trend Analysis	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend
Magnitude	0.004	0.024	0.022	0.035
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	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 - USG to LSG

USG - LSG STATS.	AF-19	AF-20	GM-9	OSMW-1
Is the Slope Less than the Error?	YES	YES	YES	YES
Number of Data Points	8	8	8	8
Slope	0.000	0.000	0.000	0.000
Intercept	0.2279	2.5587	0.0483	1.6344
Standard Error of Estimates	0.007	0.007	#NUM!	0.004
X Variable Coefficient	-0.00000543	-0.00006203	0.00000017	-0.00003848
P-Value	0.882	0.041	0.000	0.130
Trend Analysis	No Significant Trend	Significant Negative Trend	Significant Positive Trend	No Significant Trend
Magnitude	0.022	0.028	0.00004	0.013
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	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 - USG to LSG

USG - LSG STATS.	OSMW-3	OSMW-4	OSMW-10	PMW-3	TMW-2
Is the Slope Less than the Error?	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8
Slope	0.000	0.000	0.000	-0.00001	0.000
Intercept	-1.6091	3.7495	-0.3120	0.5344	0.5666
Standard Error of Estimates	0.003	0.004	0.008	0.002	0.001
X Variable Coefficient	0.00003947	-0.00009131	0.00000814	-0.00001221	-0.00001367
P-Value	0.050	0.005	0.760	0.182	0.034
Trend Analysis	No Significant Trend	Significant Negative Trend	No Significant Trend	No Significant Trend	Significant Negative Trend
Magnitude	0.011	0.020	0.025	0.005	0.006
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	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 - Perched to LSG

PERCHED - LSG STATS.	AF-7	AF-12	GM-9	OSMW-1
Is Slope Less than Error?	YES	YES	#NUM!	YES
Number of Data Points	8	8	8	8
Slope	0.0000051	0.0000168	0.0000014	-0.0000166
Intercept	-0.1827	-0.3715	0.0000	0.7137
Standard Error of Estimates	0.003	0.003	#NUM!	0.001
X Variable Coefficient	0.00000511	0.00001676	0.00000137	-0.00001656
P-Value	0.764	0.184	0.000	0.040
Trend Analysis	No Significant Trend	No Significant Trend	Significant Positive Trend	Significant Negative Trend
Magnitude	0.008	0.011	0.0003	0.005
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	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 - Perched to LSG

PERCHED - LSG STATS.	OSMW-10	PMW-3	TMW-2
Is Slope Less than Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-0.0000119	-0.0000118	-0.0000329
Intercept	0.5097	0.5095	1.3652
Standard Error of Estimates	0.006	0.001	0.005
X Variable Coefficient	-0.00001190	-0.00001181	-0.00003292
P-Value	0.548	0.098	0.078
Trend Analysis	No Significant Trend	No Significant Trend	No Significant Trend
Magnitude	0.018	0.004	0.015
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 Steady-State Analysis

Groundwater Level Statistics	AF-4P		AF-4S		AF-5P		AF-5S	
	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	0.000	0.000	0.000	0.000	-0.001	0.000	-0.004	0.000
Intercept	547.4548	553.8688	548.3197	555.1061	599.3862	530.5036	702.9383	552.2207
Standard Error of Estimates	0.324	0.203	0.441	0.093	0.379	0.311	0.393	0.157
Background Standard Error of Estimates								
X Variable Coefficient	-0.00036189		-0.00039697		0.00017215		-0.00035147	
P-Value	0.449		0.101		0.877		0.538	
Trend Analysis[2]	*No Significant Trend*		*No Significant Trend*		*No Significant Trend*		*No Significant Trend*	
Magnitude	0.611		0.331		0.967		0.442	
Summary[3]	STABLE		STABLE		STABLE		STABLE	

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 8

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

Groundwater Level Statistics	AF-6P		AF-7P		AF-7S		AF-7D	
	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	-0.003	-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.002
Intercept	643.0359	574.1533	593.7274	593.7274	626.8511	626.8511	608.3621	608.3621
Standard Error of Estimates	0.388	0.199	0.377	0.301	0.356	0.156	0.588	0.140
Background Standard Error of Estimates								
X Variable Coefficient	-0.00086194		-0.00138377		-0.00218168		-0.00179299	
P-Value	0.254		0.425		0.040		0.054	
Trend Analysis[2]	*No Significant Trend*		*No Significant Trend*		*Significant Negative Trend*		*No Significant Trend*	
Magnitude	0.709		0.844		0.643		0.543	
Summary[3]	STABLE		STABLE		Decreasing water levels		STABLE	

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 8

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

Groundwater Level Statistics	AF-8S		AF-9S		AF-9D		AF-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	-0.006	-0.002	-0.001	-0.001	0.000	0.000	0.003	0.005
Intercept	762.6885	611.9708	572.4646	572.4646	548.7528	548.7528	399.5276	330.6450
Standard Error of Estimates	0.463	0.093	0.632	0.265	0.668	0.104	0.668	0.438
Background Standard Error of Estimates								
X Variable Coefficient	-0.00187472		-0.00092864		-0.00035309		0.00509068	
P-Value	0.001		0.539		0.552		0.015	
Trend Analysis[2]	*Significant Negative Trend*		*No Significant Trend*		*No Significant Trend*		*Significant Positive Trend*	
Magnitude	0.654		0.842		0.246		2.144	
Summary[3]	Decreasing water levels		STABLE		STABLE		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 8

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

Groundwater Level Statistics	AF-10S		AF-11S		AF-11D		AF-12P	
	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	-0.005	-0.002	-0.002	-0.002	-0.001	-0.001	-0.001	0.001
Intercept	759.8839	609.1662	601.8755	601.8755	555.8764	555.8764	605.5443	536.6617
Standard Error of Estimates	0.699	0.288	0.640	0.291	0.593	0.221	0.129	0.273
Background Standard Error of Estimates								
X Variable Coefficient	-0.00180401		-0.00164831		-0.00052676		0.00063573	
P-Value	0.118		0.332		0.672		0.522	
Trend Analysis[2]	*No Significant Trend*		*No Significant Trend*		*No Significant Trend*		*No Significant Trend*	
Magnitude	1.087		0.857		0.519		0.858	
Summary[3]	STABLE		STABLE		STABLE		STABLE	

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 8

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

Groundwater Level Statistics	AF-12S		AF-12D		AF-13P		AF-13S	
	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	-0.006	-0.002	-0.006	-0.001	-0.011	-0.007	-0.013	-0.004
Intercept	763.3205	612.6028	787.9519	570.4355	1023.3081	845.8874	1079.3402	699.4322
Standard Error of Estimates	0.703	0.291	0.679	0.124	0.996	1.058	0.385	0.214
Background Standard Error of Estimates								
X Variable Coefficient	-0.00191063		-0.00088780		-0.00702019		-0.00400920	
P-Value	0.104		0.082		0.268		0.014	
Trend Analysis[2]	*No Significant Trend*		*No Significant Trend*		*No Significant Trend*		*Significant Negative Trend*	
Magnitude	1.040		0.440		3.158		1.004	
Summary[3]	STABLE		STABLE		STABLE		Decreasing 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 8

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

Groundwater Level Statistics	AF-19S		AF-19D		AF-20S		AF-20D	
	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	-0.001	-0.001	0.000	0.000	-0.005	-0.002	-0.006	0.000
Intercept	559.8236	559.8236	553.2818	553.2818	758.1890	607.4713	768.4402	550.9238
Standard Error of Estimates	0.607	0.222	0.633	0.103	0.721	0.314	0.742	0.217
Background Standard Error of Estimates								
X Variable Coefficient	-0.00061048		-0.00045464		-0.00176964		-0.00039872	
P-Value	0.627		0.444		0.151		0.611	
Trend Analysis[2]	*No Significant Trend*		*No Significant Trend*		*No Significant Trend*		*No Significant Trend*	
Magnitude	0.709		0.241		1.158		0.666	
Summary[3]	STABLE		STABLE		STABLE		STABLE	

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 8

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

Groundwater Level Statistics	GM-9P		GM-9S		GM-9D		OSMW-1P	
	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	Stable	YES	Stable	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Intercept	571.8129	571.8129	574.5665	574.5665	571.8114	571.8114	596.8901	596.8901
Standard Error of Estimates	0.275	0.056	0.476	0.064	0.646	0.065	0.300	0.089
Background Standard Error of Estimates								
X Variable Coefficient	-0.00075083		-0.00085223		-0.00086215		-0.00145274	
P-Value	0.000		0.000		0.000		0.023	
Trend Analysis[2]	*Significant Negative Trend*		*Significant Negative Trend*		*Significant Negative Trend*		*Significant Negative Trend*	
Magnitude	0.152		0.173		0.175		0.363	
Summary[3]	Decreasing water levels		Decreasing water levels		Decreasing water levels		Decreasing 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 8

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

Groundwater Level Statistics	OSMW-1S		OSMW-1D		OSMW-3S		OSMW-3D	
	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	-0.002	-0.002	0.000	0.000	0.000	0.000	-0.003	-0.003
Intercept	619.2288	619.2288	553.8511	553.8511	544.9092	544.9092	668.8112	668.8112
Standard Error of Estimates	0.331	0.161	0.655	0.055	0.538	0.094	0.581	0.187
Background Standard Error of Estimates								
X Variable Coefficient	-0.00199327		-0.00045419		-0.00023247		-0.00327174	
P-Value	0.060		0.174		0.663		0.017	
Trend Analysis[2]	*No Significant Trend*		*No Significant Trend*		*No Significant Trend*		*Significant Negative Trend*	
Magnitude	0.574		0.168		0.272		0.719	
Summary[3]	STABLE		STABLE		STABLE		Decreasing 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 8

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

Groundwater Level Statistics	OSMW-4S		OSMW-4D		OSMW-10P		OSMW-10S	
	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	-0.008	-0.008	-0.002	-0.002	-0.004	-0.003	-0.004	-0.001
Intercept	859.7362	859.7362	632.5143	632.5143	717.7760	653.0954	718.9783	571.1918
Standard Error of Estimates	0.577	0.333	0.736	0.164	0.258	0.117	0.256	0.107
Background Standard Error of Estimates								
X Variable Coefficient	-0.00793367		-0.00240017		-0.00282432		-0.00084078	
P-Value	0.004		0.034		0.000		0.040	
Trend Analysis[2]	*Significant Negative Trend*		*Significant Negative Trend*		*Significant Negative Trend*		*Significant Negative Trend*	
Magnitude	1.729		0.726		0.835		0.456	
Summary[3]	Decreasing water levels		Decreasing water levels		Decreasing water levels		Decreasing 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 8

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

Groundwater Level Statistics	OSMW-10D		OSMW-11P		OSMW-11S		PMW-3P	
	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	-0.007	-0.002	-0.004	-0.002	-0.005	-0.001	-0.003	-0.003
Intercept	808.1309	597.0294	714.8360	645.9534	748.3916	597.6739	643.7935	643.7935
Standard Error of Estimates	0.796	0.705	0.290	0.227	0.318	0.241	0.312	0.364
Background Standard Error of Estimates								
X Variable Coefficient	-0.00151511		-0.00246818		-0.00146396		-0.00258998	
P-Value	0.504		0.019		0.127		0.234	
Trend Analysis[2]	*No Significant Trend*		*Significant Negative Trend*		*No Significant Trend*		*No Significant Trend*	
Magnitude	2.002		1.178		0.905		1.076	
Summary[3]	STABLE		Decreasing water levels		STABLE		STABLE	

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 8

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

Groundwater Level Statistics	PMW-3S		PMW-3D		TMW-1P		TMW-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	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	-0.002	-0.002	-0.001	-0.001	-0.028	-0.024	-0.003	-0.003
Intercept	631.1496	631.1496	587.7527	587.7527	1697.7838	1537.3738	662.9944	662.9944
Standard Error of Estimates	0.326	0.167	0.616	0.126	2.426	2.481	0.528	0.095
Background Standard Error of Estimates								
X Variable Coefficient	-0.00228273		-0.00129120		-0.02430799		-0.00303312	
P-Value	0.044		0.105		0.126		0.001	
Trend Analysis[2]	*Significant Negative Trend*		*No Significant Trend*		*No Significant Trend*		*Significant Negative Trend*	
Magnitude	0.625		0.397		8.744		0.674	
Summary[3]	Decreasing water levels		STABLE		STABLE		Decreasing 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 8

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

Groundwater Level Statistics	TMW-2P		TMW-2S		TMW-2D	
	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
Number of Data Points	8	8	8	8	8	8
Slope	-0.005	-0.003	-0.005	-0.002	-0.006	-0.001
Intercept	745.7039	676.8212	750.2454	599.5277	773.2446	555.7282
Standard Error of Estimates	0.589	0.458	0.603	0.183	0.661	0.100
Background Standard Error of Estimates						
X Variable Coefficient	-0.00344404		-0.00158027		-0.00052368	
P-Value	0.071		0.046		0.177	
Trend Analysis[2]	*No Significant Trend*		*Significant Negative Trend*		*No Significant Trend*	
Magnitude	1.698		0.774		0.338	
Summary[3]	STABLE		Decreasing water levels		STABLE	

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
Evendale, Ohio
Groundwater Chemical Cross Contamination Analyses

			11/7/2012			
Well ID	TCA_grp UTL Value[1] (µmol/L)	TCE_grp UTL Value[1] (µmol/L)	TCA Group Values (µmol/L)	TCE Group Values (µmol/L)	TCA Group Comparison	TCE Group Comparison
AF-11D	0.0092	2.3875	0.0068	0.0000	ACCEPT	ACCEPT
AF-11S	.0842	3.1943	0.01	1.23	ACCEPT	ACCEPT
AF-13P	0.0359	0.0359	0.00	0.00	ACCEPT	ACCEPT
AF-13S	0.0359	0.0359	0.00	0.43	ACCEPT	REJECT
AF-19D	0.0359	0.0359	0.00	0.00	ACCEPT	ACCEPT
AF-19S	2.0047	3.6624	0.01	0.34	ACCEPT	ACCEPT
AF-21D	.0070	0.5265	0.00	0.01	ACCEPT	ACCEPT
AF-23P	10.6721	6.5688	4.29	3.50	ACCEPT	ACCEPT
AF-24P	18.0821	9.9566	7.55	7.05	ACCEPT	ACCEPT
AF-25P	12.3782	11.3839	4.18	1.16	ACCEPT	ACCEPT
AF-2P	.1073	.5533	0.10	0.35	ACCEPT	ACCEPT
AF-3P	.9429	1.6063	0.33	0.75	ACCEPT	ACCEPT
AF-4P	0.0359	0.0359	0.59	0.95	REJECT	REJECT
AF-4S	1.1853	5.9427	0.21	1.01	ACCEPT	ACCEPT
AF-5D	.0155	.0044	0.00	0.00	ACCEPT	ACCEPT
AF-5P	1.3739	4.5782	0.61	2.12	ACCEPT	ACCEPT
AF-5S	2.5715	9.0739	0.06	0.70	ACCEPT	ACCEPT
AF-6S	0.0359	0.0359	0.00	0.04	ACCEPT	REJECT
AF-7D	.0240	.0261	0.00	0.00	ACCEPT	ACCEPT
AF-7P	10.8813	9.7516	0.68	0.64	ACCEPT	ACCEPT
AF-7S	.7677	31.8240	0.26	21.08	ACCEPT	ACCEPT
AF-9S	.0694	0.7894	0.01	0.48	ACCEPT	ACCEPT
AOC LDMW-1S	66.8780	21.1752	6.68	4.90	ACCEPT	ACCEPT
AOC PSTMW-2S	.6589	.2892	0.05	0.01	ACCEPT	ACCEPT
H-221	.7940	1.0121	0.66	0.87	ACCEPT	ACCEPT
OSMW-10D	.1633	.1269	0.00	0.04	ACCEPT	ACCEPT
OSMW-10P	3.9915	2.7868	2.04	1.98	ACCEPT	ACCEPT
OSMW-10S	3.5411	1.2163	2.69	1.81	ACCEPT	REJECT
OSMW-11D	.7604	8.2552	0.37	3.12	ACCEPT	ACCEPT
OSMW-11P	.0232	.0066	0.03	0.00	REJECT	ACCEPT

			11/7/2012			
Well ID	TCA_grp UTL Value[1] (µmol/L)	TCE_grp UTL Value[1] (µmol/L)	TCA Group Values (µmol/L)	TCE Group Values (µmol/L)	TCA Group Comparison	TCE Group Comparison
OSMW-11S	1.0371	11.9864	0.37	2.89	ACCEPT	ACCEPT
OSMW-12P	.0529	.0352	0.06	0.04	REJECT	REJECT
OSMW-13P	.0510	.0688	0.04	0.02	ACCEPT	ACCEPT
OSMW-1D	1.0602	23.5751	0.03	0.69	ACCEPT	ACCEPT
OSMW-1P	0.0386	.0383	0.03	0.00	ACCEPT	ACCEPT
OSMW-1S	1.8189	54.1122	0.04	3.04	ACCEPT	ACCEPT
OSMW-3D	.0969	13.9650	0.05	0.39	ACCEPT	ACCEPT
OSMW-3S	0.0952	0.8117	0.01	0.14	ACCEPT	ACCEPT
OSMW-4D	.1902	1.2387	0.10	1.80	ACCEPT	REJECT
OSMW-4S	.1184	7.8398	0.01	0.39	ACCEPT	ACCEPT
OSMW-5D	.0225	4.0331	0.01	1.96	ACCEPT	ACCEPT
OSMW-5S	.0186	.1804	0.02	0.25	ACCEPT	REJECT
OSMW-6D	.8025	3.8001	0.13	1.46	ACCEPT	ACCEPT
OSMW-6S	1.1900	2.0246	0.38	0.92	ACCEPT	ACCEPT
OSMW-7D	.0359	.1744	0.00	0.11	ACCEPT	ACCEPT
OSMW-8D	.0034	.6823	0.00	0.74	ACCEPT	REJECT
OSMW-8S	.0268	1.3407	0.02	0.07	ACCEPT	ACCEPT
OSMW-9D	.0359	.4657	0.00	0.35	ACCEPT	ACCEPT
OSMW-9S	.0327	86.8772	0.0460	4.91	REJECT	ACCEPT
PMW-2D	.0021	.0359	0.00	0.00	ACCEPT	ACCEPT
PMW-3D	3.1451	2.5338	0.83	3.76	ACCEPT	REJECT
PMW-3P	2.5478	4.0693	1.96	3.85	ACCEPT	ACCEPT
PMW-3S	2.3156	2.3051	0.84	1.98	ACCEPT	ACCEPT
PMW-4D	.0359	.1228	0.00	0.11	ACCEPT	ACCEPT
TMW-1D	.0359	.0093	0.00	0.00	ACCEPT	ACCEPT
TMW-1P	3.1442	5.8024	2.89	5.79	ACCEPT	ACCEPT
TMW-1S	0.2465	10.57	0.00	0.35	ACCEPT	ACCEPT
TMW-2D	.0454	9.85	0.03	9.59	ACCEPT	ACCEPT
TMW-2S	.0039	.0254	0.00	0.00	ACCEPT	ACCEPT

Notes:

1. The methodology for calculating the upper tolerance limit (UTL) is included in the Performance Monitoring Plan.

Table 10

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

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	
5/1/2012	130.0	5/1/2012	13.0	5/1/2012	10.0	no data		5/1/2012	21.0	9/26/2011	2.0	8/23/2011	2.7	5/1/2012	380.0	4/2/2012	10.0	5/1/2012	1.21	5/1/2012	3.24
6/1/2012	120.0	6/1/2012	12.0	6/1/2012	8.9	no data		6/1/2012	19.0	10/10/2011	2.1	9/6/2011	2.8	6/1/2012	330.0	5/1/2012	9.1	6/1/2012	1.11	6/1/2012	2.83
7/2/2012	140.0	7/2/2012	13.0	7/2/2012	14.0	no data		7/2/2012	21.0	10/17/2011	2.1	9/26/2011	2.1	7/2/2012	350.0	6/1/2012	8.3	7/2/2012	1.33	7/2/2012	3.01
8/1/2012	140.0	8/1/2012	16.0	8/1/2012	4.8	no data		8/1/2012	21.0	10/31/2011	2.6	10/10/2011	2.1	8/1/2012	350.0	7/2/2012	8.7	8/1/2012	1.59	8/1/2012	2.87
9/4/2012	120.0	9/4/2012	15.0	9/4/2012	11.0	no data		9/4/2012	20.0	11/28/2011	1.8	10/17/2011	2.0	9/4/2012	340.0	9/4/2012	9.7	9/4/2012	1.16	9/4/2012	0.37
10/1/2012	110.0	10/1/2012	15.0	10/1/2012	4.7	no data		10/1/2012	18.0	12/12/2011	2.0	10/31/2011	1.9	10/1/2012	310.0	10/1/2012	7.3	10/1/2012	1.02	10/1/2012	0.3
11/1/2012	140.0	11/1/2012	16.0	11/1/2012	10.0	no data		11/1/2012	19.0	4/2/2012	2.1	11/28/2011	1.6	11/1/2012	330.0	11/1/2012	6.1	11/1/2012	1.31	11/1/2012	0.29
12/3/2012	130.0	12/3/2012	17.0	12/3/2012	10.0	no data		12/3/2012	20.0	7/2/2012	2.2	12/12/2011	1.6	12/3/2012	340.0	12/3/2012	5.2	12/3/2012	1.25	12/3/2012	0.29

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	#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	-0.004	0.020	-0.006	#DIV/0!	-0.007	0.000	-0.011	-0.158	-0.016	0.000	-0.017
Intercept	311.1827	-828.0434	255.0092	#DIV/0!	288.6107	-4.1167	453.1780	6842.1814	656.9687	2.0938	703.5709
Standard Error of Estimates	12.157	0.929	3.329	#DIV/0!	1.094	0.247	0.156	17.767	1.045	0.183	0.684
X Variable Coefficient	-0.00443463	0.02048384	-0.00597581	Insufficient Data	-0.00653251	0.00015231	-0.01104730	-0.15802658	-0.01577989	-0.00002055	-0.01706248
P-Value	0.944	0.005	0.733	Insufficient Data	0.279	0.877	0.000	0.126	0.012	0.983	0.003
Trend Analysis[2]	*No Significant Trend*	*Significant Positive Trend*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*No Significant Trend*	*Significant Negative Trend*	*No Significant Trend*	*Significant Negative Trend*	*No Significant Trend*	*Significant Negative Trend*
Trend Analysis Result[3]	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	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 Approach

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	
5/1/2012	180.0	5/1/2012	10.0	5/1/2012	9.9	no data		5/1/2012	8.1	no data		7/25/2011	1.9	5/1/2012	400.0	no data		5/1/2012	1.55	5/1/2012	3.11
6/1/2012	150.0	6/1/2012	9.4	6/1/2012	10.0	no data		6/1/2012	6.2	no data		8/8/2011	2.2	6/1/2012	350.0	7/25/2011	3.5	6/1/2012	1.32	6/1/2012	2.72
7/2/2012	150.0	7/2/2012	8.7	7/2/2012	11.0	no data		7/2/2012	5.3	no data		8/23/2011	1.3	7/2/2012	340.0	8/8/2011	4.5	7/2/2012	1.33	7/2/2012	2.63
8/1/2012	150.0	8/1/2012	11.0	8/1/2012	3.7	8/23/2011	0.87	8/1/2012	6.5	no data		9/26/2011	1.5	8/1/2012	330.0	8/23/2011	2.0	8/1/2012	1.27	8/1/2012	2.57
9/4/2012	110.0	9/4/2012	9.8	9/4/2012	6.0	9/26/2011	1.3	9/4/2012	4.6	no data		10/10/2011	1.8	9/4/2012	300.0	9/26/2011	2.0	9/4/2012	0.99	9/4/2012	2.32
10/1/2012	120.0	10/1/2012	13.0	10/1/2012	4.0	10/10/2011	1.1	10/1/2012	18.0	no data		10/17/2011	1.9	10/1/2012	260.0	10/10/2011	2.0	10/1/2012	1.07	10/1/2012	2.16
11/1/2012	120.0	11/1/2012	13.0	11/1/2012	8.3	10/17/2011	1.4	11/1/2012	4.4	no data		10/31/2011	1.7	11/1/2012	290.0	10/17/2011	1.6	11/1/2012	1.12	11/1/2012	2.24
12/3/2012	110.0	12/3/2012	15.0	12/3/2012	5.2	3/5/2012	4.7	12/3/2012	4.6	10/31/2011	0.63	12/12/2011	1.4	12/3/2012	290.0	10/31/2011	0.96	12/3/2012	1.03	12/3/2012	2.25

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	#DIV/0!	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	5	8	1	8	8	7	8	8
Slope	-0.299	0.025	-0.023	0.021	0.001	#DIV/0!	-0.003	-0.518	-0.027	-0.002	-0.004
Intercept	12452.5121	-1013.3369	962.6525	-847.8849	-20.3904	#DIV/0!	110.9911	21638.3293	1117.3791	93.0345	163.7661
Standard Error of Estimates	11.701	1.236	2.491	0.357	4.897	#DIV/0!	0.294	22.046	0.694	0.100	0.139
X Variable Coefficient	-0.29938742	0.02490566	-0.02322391	Insufficient Data	0.00067098	Insufficient Data	-0.00267760	-0.51821239	Insufficient Data	-0.00223210	-0.00392012
P-Value	0.002	0.007	0.112	Insufficient Data	0.979	Insufficient Data	0.303	0.003	Insufficient Data	0.004	0.001
Trend Analysis[2]	*Significant Negative Trend*	*Significant Positive Trend*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*Significant Negative Trend*	*Insufficient Data*	*Significant Negative Trend*	*Significant Negative Trend*
Trend Analysis Result[3]	Evaluate System Optimization	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	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 Approach

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	
5/1/2012	150.0	5/1/2012	15.0	5/1/2012	10.0	10/17/2011	4.9	5/1/2012	17.0	no data		8/8/2011	2.3	5/1/2012	340.0	9/26/2011	6.4	5/1/2012	1.41	5/1/2012	2.75
6/1/2012	130.0	6/1/2012	13.0	6/1/2012	9.9	10/31/2011	3.0	6/1/2012	15.0	8/23/2011	0.51	8/23/2011	1.9	6/1/2012	290.0	10/10/2011	5.3	6/1/2012	1.21	6/1/2012	2.35
7/2/2012	140.0	7/2/2012	12.0	7/2/2012	12.0	11/14/2011	5.1	7/2/2012	15.0	9/6/2011	0.47	9/6/2011	2.2	7/2/2012	300.0	10/17/2011	5.2	7/2/2012	1.29	7/2/2012	2.47
8/1/2012	150.0	8/1/2012	13.0	8/1/2012	4.6	11/28/2011	5.0	8/1/2012	18.0	10/10/2011	0.48	9/26/2011	1.8	8/1/2012	300.0	10/31/2011	4.2	8/1/2012	1.3	8/1/2012	2.46
9/4/2012	120.0	9/4/2012	12.0	9/4/2012	19.0	12/12/2011	4.6	9/4/2012	16.0	10/17/2011	0.47	10/10/2011	1.6	9/4/2012	270.0	11/28/2011	5.0	9/4/2012	1.22	9/4/2012	2.21
10/1/2012	110.0	10/1/2012	11.0	10/1/2012	2.3	1/16/2012	8.5	10/1/2012	4.5	10/31/2011	0.9	10/17/2011	1.6	10/1/2012	270.0	12/12/2011	3.7	10/1/2012	0.96	10/1/2012	2.09
11/1/2012	140.0	11/1/2012	12.0	11/1/2012	11.0	2/7/2012	8.0	11/1/2012	19.0	12/12/2011	0.61	10/31/2011	1.5	11/1/2012	270.0	11/1/2012	4.8	11/1/2012	1.28	11/1/2012	2.32
12/3/2012	130.0	12/3/2012	13.0	12/3/2012	8.5	5/1/2012	2.3	12/3/2012	20.0	7/2/2012	0.77	12/12/2011	1.1	12/3/2012	280.0	12/3/2012	9.0	12/3/2012	1.19	12/3/2012	2.47

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	7	8	8	8	8	8
Slope	-0.082	-0.009	-0.007	-0.001	0.003	0.001	-0.009	-0.248	0.005	-0.001	-0.001
Intercept	3509.6736	378.4718	290.1024	26.4504	-112.3825	-35.2759	374.5919	10506.7131	-188.2883	37.1068	58.4099
Standard Error of Estimates	13.660	1.059	5.384	2.326	5.202	0.157	0.129	16.053	1.516	0.123	0.184
X Variable Coefficient	-0.08206296	-0.00889311	-0.00681702	-0.00052017	0.00311013	Insufficient Data	-0.00913436	-0.24835093	0.00473192	-0.00087200	-0.00136172
P-Value	0.276	0.145	0.809	0.971	0.909	Insufficient Data	0.000	0.022	0.189	0.208	0.190
Trend Analysis[2]	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*Insufficient Data*	*Significant Negative Trend*	*Significant Negative 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	Evaluate System Optimization	Evaluate System Optimization	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 Approach

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	
5/1/2012	71.0	5/1/2012	7.6	5/1/2012	5.4	no data		5/1/2012	13.0	9/26/2011	1.1	7/25/2011	2.2	5/1/2012	210.0	10/17/2011	4.1	5/1/2012	0.66	5/1/2012	1.73
6/1/2012	65.0	6/1/2012	7.1	6/1/2012	5.4	no data		6/1/2012	12.0	10/10/2011	1.3	8/8/2011	2.4	6/1/2012	200.0	10/31/2011	4.1	6/1/2012	0.61	6/1/2012	1.64
7/2/2012	66.0	7/2/2012	7.3	7/2/2012	3.9	no data		7/2/2012	13.0	10/17/2011	1.7	8/23/2011	1.2	7/2/2012	200.0	11/14/2011	6.0	7/2/2012	0.61	7/2/2012	1.65
8/1/2012	77.0	8/1/2012	8.1	8/1/2012	2.8	no data		8/1/2012	13.0	10/31/2011	1.7	9/6/2011	1.8	8/1/2012	200.0	11/28/2011	4.4	8/1/2012	0.69	8/1/2012	1.65
9/4/2012	60.0	9/4/2012	7.2	9/4/2012	3.0	no data		9/4/2012	12.0	11/28/2011	1.3	9/26/2011	1.5	9/4/2012	190.0	12/12/2011	3.5	9/4/2012	0.55	9/4/2012	1.57
10/1/2012	63.0	10/1/2012	7.7	10/1/2012	2.7	no data		10/1/2012	12.0	12/12/2011	1.2	10/10/2011	1.6	10/1/2012	180.0	4/2/2012	2.1	10/1/2012	0.58	10/1/2012	1.55
11/1/2012	74.0	11/1/2012	7.7	11/1/2012	6.0	no data		11/1/2012	13.0	4/2/2012	1.1	10/31/2011	1.8	11/1/2012	190.0	10/1/2012	4.0	11/1/2012	0.69	11/1/2012	1.63
12/3/2012	64.0	12/3/2012	7.5	12/3/2012	4.5	no data		12/3/2012	12.0	7/2/2012	1.4	12/12/2011	1.6	12/3/2012	180.0	11/1/2012	3.6	12/3/2012	0.6	12/3/2012	1.49

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	-0.012	0.001	-0.003	#DIV/0!	-0.002	0.000	-0.004	-0.128	-0.002	0.000	-0.001
Intercept	574.8944	-32.1853	112.6749	#DIV/0!	109.9205	18.7944	147.6565	5450.4180	102.0391	5.1465	34.7754
Standard Error of Estimates	6.271	0.341	1.395	#DIV/0!	0.544	0.254	0.376	4.794	1.098	0.055	0.044
X Variable Coefficient	-0.01233389	0.00096529	-0.00263654	Insufficient Data	-0.00236813	-0.00042654	-0.00357522	-0.12778065	-0.00239397	-0.00010990	-0.00080611
P-Value	0.708	0.593	0.719	Insufficient Data	0.419	0.676	0.287	0.002	0.407	0.704	0.011
Trend Analysis[2]	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*Insufficient Data*	*No Significant Trend*	*No Significant Trend*	*No Significant Trend*	*Significant Negative Trend*	*No Significant Trend*	*No Significant Trend*	*Significant Negative Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	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 Approach

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		5/1/2012	1.3	2/7/2012	0.84	no data		5/1/2012	95.0	no data		no data		no data		5/1/2012	66.0	5/1/2012	0.01	5/1/2012	2.04
no data		6/1/2012	1.2	4/2/2012	1.1	no data		6/1/2012	84.0	no data		no data		no data		6/1/2012	70.0	6/1/2012	0.02	6/1/2012	1.99
no data		7/2/2012	1.2	6/1/2012	0.56	no data		7/2/2012	79.0	no data		no data		no data		7/2/2012	70.0	7/2/2012	0.02	7/2/2012	1.93
no data		8/1/2012	1.3	7/2/2012	0.43	no data		8/1/2012	79.0	no data		no data		no data		8/1/2012	74.0	8/1/2012	0.02	8/1/2012	2.0
no data		9/4/2012	1.1	8/1/2012	0.77	no data		9/4/2012	76.0	no data		no data		no data		9/4/2012	71.0	9/4/2012	0.02	9/4/2012	1.92
no data		10/1/2012	1.1	9/4/2012	0.41	no data		10/1/2012	71.0	no data		no data		no data		10/1/2012	77.0	10/1/2012	0.02	10/1/2012	1.96
no data		11/1/2012	1.1	10/1/2012	0.42	no data		11/1/2012	72.0	no data		no data		no data		11/1/2012	77.0	11/1/2012	0.01	11/1/2012	1.97
no data		12/3/2012	1.2	12/3/2012	0.47	no data		12/3/2012	72.0	no data		12/12/2011	1.3	no data		12/3/2012	78.0	12/3/2012	0.02	12/3/2012	1.99

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	-0.002	#DIV/0!	-0.096	#DIV/0!	#DIV/0!	#DIV/0!	0.053	0.000	0.000
Intercept	#DIV/0!	28.3994	77.1227	#DIV/0!	4023.2920	#DIV/0!	#DIV/0!	#DIV/0!	-2096.9193	0.2730	7.9468
Standard Error of Estimates	#DIV/0!	0.072	0.190	#DIV/0!	3.746	#DIV/0!	#DIV/0!	#DIV/0!	1.742	0.003	0.038
X Variable Coefficient	Insufficient Data	-0.00066147	-0.00186121	Insufficient Data	-0.09589121	Insufficient Data	Insufficient Data	Insufficient Data	0.05274402	-0.00000625	-0.00014515
P-Value	Insufficient Data	0.118	0.044	Insufficient Data	0.002	Insufficient Data	Insufficient Data	Insufficient Data	0.001	0.711	0.473
Trend Analysis[2]	*Insufficient Data*	*No Significant Trend*	*Significant Negative Trend*	*Insufficient Data*	*Significant Negative Trend*	*Insufficient Data*	*Insufficient Data*	*Insufficient Data*	*Significant Positive Trend*	*No Significant Trend*	*No Significant Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	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 Approach

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		5/1/2012	260.0	no data		5/1/2012	56.0	5/1/2012	300.0	4/2/2012	4.5	no data		5/1/2012	5.6
no data		no data		no data		no data		6/1/2012	250.0	no data		6/1/2012	54.0	6/1/2012	290.0	5/1/2012	4.1	no data		6/1/2012	5.4
no data		9/26/2011	2.4	no data		no data		7/2/2012	240.0	no data		7/2/2012	51.0	7/2/2012	290.0	6/1/2012	4.3	9/26/2011	0.03	7/2/2012	5.27
no data		10/10/2011	1.9	9/26/2011	1.0	no data		8/1/2012	240.0	no data		8/1/2012	52.0	8/1/2012	290.0	7/2/2012	4.4	10/10/2011	0.03	8/1/2012	5.21
no data		10/17/2011	1.7	10/10/2011	0.85	no data		9/4/2012	230.0	no data		9/4/2012	48.0	9/4/2012	270.0	9/4/2012	4.5	10/17/2011	0.02	9/4/2012	4.99
no data		10/31/2011	1.6	10/17/2011	0.66	no data		10/1/2012	220.0	no data		10/1/2012	47.0	10/1/2012	270.0	10/1/2012	5.1	10/31/2011	0.02	10/1/2012	4.88
no data		11/28/2011	1.6	10/31/2011	0.77	no data		11/1/2012	210.0	no data		11/1/2012	42.0	11/1/2012	280.0	11/1/2012	4.5	11/28/2011	0.02	11/1/2012	4.79
no data		12/12/2011	1.4	12/12/2011	0.55	no data		12/3/2012	230.0	10/31/2011	0.41	12/3/2012	48.0	12/3/2012	280.0	12/3/2012	5.0	12/12/2011	0.02	12/3/2012	5.07

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	6	5	0	8	1	8	8	8	6	8
Slope	#DIV/0!	-0.010	-0.005	#DIV/0!	-0.185	#DIV/0!	-0.051	-0.105	0.003	0.000	-0.003
Intercept	#DIV/0!	410.2367	207.2804	#DIV/0!	7857.4122	#DIV/0!	2148.2326	4606.2398	-105.0314	7.8774	134.5788
Standard Error of Estimates	#DIV/0!	0.208	0.102	#DIV/0!	8.505	#DIV/0!	2.379	7.618	0.258	0.003	0.142
X Variable Coefficient	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	-0.18528784	Insufficient Data	-0.05101053	-0.10507235	0.00266471	Insufficient Data	-0.00314617
P-Value	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	0.005	Insufficient Data	0.005	0.033	0.050	Insufficient Data	0.005
Trend Analysis[2]	*Insufficient Data*	*Insufficient Data*	*Insufficient Data*	*Insufficient Data*	*Significant Negative Trend*	*Insufficient Data*	*Significant Negative Trend*	*Significant Negative Trend*	*Significant Positive Trend*	*Insufficient Data*	*Significant Negative Trend*
Trend Analysis Result[3]	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	Evaluate System Optimization	Evaluate System Optimization	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 Approach

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		5/1/2012	2.0	no data		no data		5/1/2012	9.0	no data		5/1/2012	5.3	no data		5/1/2012	7.9	5/1/2012	0.02	5/1/2012	0.27
no data		6/1/2012	1.8	no data		no data		6/1/2012	8.8	no data		6/1/2012	4.8	no data		6/1/2012	8.2	6/1/2012	0.02	6/1/2012	0.27
no data		7/2/2012	1.8	9/26/2011	0.46	no data		7/2/2012	7.8	no data		7/2/2012	4.4	no data		7/2/2012	11.0	7/2/2012	0.02	7/2/2012	0.3
no data		8/1/2012	1.7	10/17/2011	0.53	no data		8/1/2012	8.5	no data		8/1/2012	4.5	no data		8/1/2012	9.1	8/1/2012	0.02	8/1/2012	0.28
no data		9/4/2012	1.5	10/31/2011	0.43	no data		9/4/2012	7.3	no data		9/4/2012	3.6	no data		9/4/2012	8.7	9/4/2012	0.02	9/4/2012	0.25
no data		10/1/2012	1.6	11/14/2011	0.43	no data		10/1/2012	7.2	no data		10/1/2012	3.9	no data		10/1/2012	9.6	10/1/2012	0.02	10/1/2012	0.27
no data		11/1/2012	1.6	4/2/2012	0.7	no data		11/1/2012	7.5	no data		11/1/2012	3.9	no data		11/1/2012	9.7	11/1/2012	0.02	11/1/2012	0.27
no data		12/3/2012	1.6	5/1/2012	0.42	no data		12/3/2012	7.6	no data		12/3/2012	3.6	no data		12/3/2012	9.7	12/3/2012	0.02	12/3/2012	0.27

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	0	8	0	8	0	8	8	8
Slope	#DIV/0!	-0.002	0.000	#DIV/0!	-0.007	#DIV/0!	-0.007	#DIV/0!	0.006	0.000	0.000
Intercept	#DIV/0!	75.2955	-16.0565	#DIV/0!	316.2710	#DIV/0!	304.9888	#DIV/0!	-235.6925	1.2447	2.5801
Standard Error of Estimates	#DIV/0!	0.094	0.113	#DIV/0!	0.452	#DIV/0!	0.275	#DIV/0!	0.951	0.002	0.014
X Variable Coefficient	Insufficient Data	-0.00178898	Insufficient Data	Insufficient Data	-0.00749446	Insufficient Data	-0.00731045	Insufficient Data	0.00595383	-0.00002983	-0.00005605
P-Value	Insufficient Data	0.009	Insufficient Data	Insufficient Data	0.016	Insufficient Data	0.002	Insufficient Data	0.258	0.028	0.461
Trend Analysis[2]	*Insufficient Data*	*Significant Negative Trend*	*Insufficient Data*	*Insufficient Data*	*Significant Negative Trend*	*Insufficient Data*	*Significant Negative Trend*	*Insufficient Data*	*No Significant Trend*	*Significant Negative Trend*	*No Significant Trend*
Trend Analysis Result[3]	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Evaluate System Optimization	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 11

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Comparison of Semiannual Groundwater Sampling Results (4Q-12) to MCLs for Detected Parameters Only

Location		USEPA MCL	AF-21D	AF-23P	AF-24P	AF-25P	AF-2P	AF-3P	AF-5D	AF-5P	AF-5S	AF-7D	AF-7P
Sample Date			11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012	11/7/2012
DETECTABLE VOCs	**units**	**units**											
1,1,1-Trichloroethane	ug/l	200	< 1	410	710	86	2.7	37	< 1 J *	72	< 1 J *	< 1 J *	49
1,1-Dichloroethane	ug/l	7	< 1	78	120	28	7.4	2.7	< 1	2.8 J	5.1	< 1	28
1,1-Dichloroethylene	ug/l	7	< 1	42	98	15	< 1	2	< 1	4.3	< 1	< 1	2.8
Acetone	ug/l	--	8 J	< 50	< 50	< 20	3.6 J	3.9 J	8.5 J	< 40	4.9 J	13	12
Benzene	ug/l	5	< 1	< 5	< 5	1.4 J	< 1	< 1	< 1	< 4	0.55 J	< 1	< 1
Chloroethane	ug/l	--	< 1	< 5	< 5	200	< 1	< 1	< 1	< 4	0.52 J	< 1	< 1
Chloroform	ug/l	--	< 1	4.8 J	2.3 J	< 2	< 1	0.62 J	< 1	< 4	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	70	0.99 J	12	590	21	< 1	4.5	< 1	< 4	3	< 1	5.7
Methylene chloride	ug/l	--	< 1	< 5	< 5	< 2	< 1	< 1	< 1	< 4	< 1	< 1	< 1
Tetrachloroethene	ug/l	5	< 1	6.7	1.8 J	0.92 J	< 1	14	< 1	< 4	< 1	< 1	0.94 J
trans-1,3-Dichloropropylene	ug/l	100	< 1	< 5	76	2.5	< 1	< 1	< 1	< 4	< 1	< 1	< 1
Trichloroethylene	ug/l	5	< 1	440	65	72	46	82	< 1	280	< 1	< 1	76
Vinyl Chloride	ug/l	2	< 1	< 5	29	23	< 1	< 1	< 1	< 4	42	< 1	< 1

Notes:
1) J = Estimated
2) NM = Not Measured
3) ** = Equipment malfunction
4) Yellow highlighting indicates exceedance of USEPA MCL

Table 11

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Comparison of Semiannual Groundwater Sampling Results (4Q-12) to MCLs for Detected Parameters Only

Location		USEPA MCL	AF-7S		AF-9S		AOC LDMW-1S		AOC PSTMW-1SR		AOC PSTMW-2S		H-221		OSMW-1D		OSMW-1P		OSMW-1S		OSMW-2P	
Sample Date			11/7/2012		11/7/2012		11/8/2012		11/7/2012		11/7/2012		11/8/2012		11/8/2012		11/8/2012		11/8/2012		11/8/2012	
DETECTABLE VOCs	**units**	**units**																				
1,1,1-Trichloroethane	ug/l	200	< 10	J *	< 1		760		< 1		5.3		74		< 1		< 1	J *	< 2		< 1	
1,1-Dichloroethane	ug/l	7	20		1.2		28		< 1		< 1		5.3		2.7		2.9		3.5		5.5	
1,1-Dichloroethylene	ug/l	7	5.4	J	< 1		68		< 1		0.88	J	4.8		< 1		< 1		< 2		< 1	
Acetone	ug/l	--	< 100		4.4	J	< 100		4.5	J	3.1	J	< 20		4.6	J	5.8	J	< 20		3.1	J
Benzene	ug/l	5	< 10		0.41	J	< 10		< 1		< 1		< 2		< 1		< 1		< 2		0.5	J
Chloroethane	ug/l	--	< 10		< 1		< 10		< 1		< 1		< 2		< 1		< 1		< 2		< 1	
Chloroform	ug/l	--	< 10		< 1		4.4	J	< 1		< 1		< 2		< 1		< 1		< 2		< 1	
cis-1,2-Dichloroethylene	ug/l	70	710		1.7		< 10		< 1		< 1		3.9		13		< 1		140		20	
Methylene chloride	ug/l	--	< 10		< 1		4.8	J	< 1		< 1		< 2		< 1		< 1		< 2		< 1	
Tetrachloroethene	ug/l	5	< 10		< 1		< 10		< 1		< 1		< 2		< 1		< 1		< 2		< 1	
trans-1,3-Dichloropropylene	ug/l	100	< 10		< 1		< 10		< 1		< 1		< 2		< 1		< 1		< 2		< 1	
Trichloroethylene	ug/l	5	< 10		< 1		490		< 1		0.79	J	110		< 1		< 1		< 2		< 1	
Vinyl Chloride	ug/l	2	860		29		< 10		< 1		< 1		< 2		35		< 1		100		30	

Notes:
1) J = Estimated
2) NM = Not Measured
3) ** = Equipment malfunction
4) Yellow highlighting indicates exceedance of USEPA MCL

Table 11

GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Comparison of Semiannual Groundwater Sampling Results (4Q-12) to MCLs for Detected Parameters Only

Location		USEPA MCL	OSMW-3D	OSMW-3S	OSMW-4D	OSMW-4S	OSMW-5D	OSMW-5S	OSMW-6D	OSMW-6S	OSMW-7D	OSMW-8D	OSMW-8S
Sample Date			11/7/2012	11/7/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012	11/8/2012
DETECTABLE VOCs	**units**	**units**											
1,1,1-Trichloroethane	ug/l	200	< 1 J *	< 1 J *	< 1 J *	< 1 J *	< 2	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	7	4.5	1.2	8	0.88 J	< 2	1.7	5	5.7	< 1	< 1	1.8
1,1-Dichloroethylene	ug/l	7	< 1	< 1	1.9	< 1	0.62 J	< 1	2	9.8	< 1	< 1	< 1
Acetone	ug/l	--	26	5.4 J	< 10	4 J	< 20	3.7 J	7 J	8.9 J	3.5 J	3.1 J	< 10
Benzene	ug/l	5	1.3	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	ug/l	--	< 1	< 1	< 1	< 1	< 2	< 1	4.1	14	< 1	< 1	< 1
Chloroform	ug/l	--	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,2-Dichloroethylene	ug/l	70	15	1.9	37	3.4	170	11	25	67	< 1	< 1	< 1
Methylene chloride	ug/l	--	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	ug/l	5	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropylene	ug/l	100	1	< 1	7.9	< 1	5.9	0.96 J	< 1	< 1	< 1	< 1	< 1
Trichloroethylene	ug/l	5	5.9	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Chloride	ug/l	2	11	7.3	88	22	8.9	8.2	75	14	7	46	4.2

Notes:
1) J = Estimated
2) NM = Not Measured
3) ** = Equipment malfunction
4) Yellow highlighting indicates exceedance of USEPA MCL

Table 11

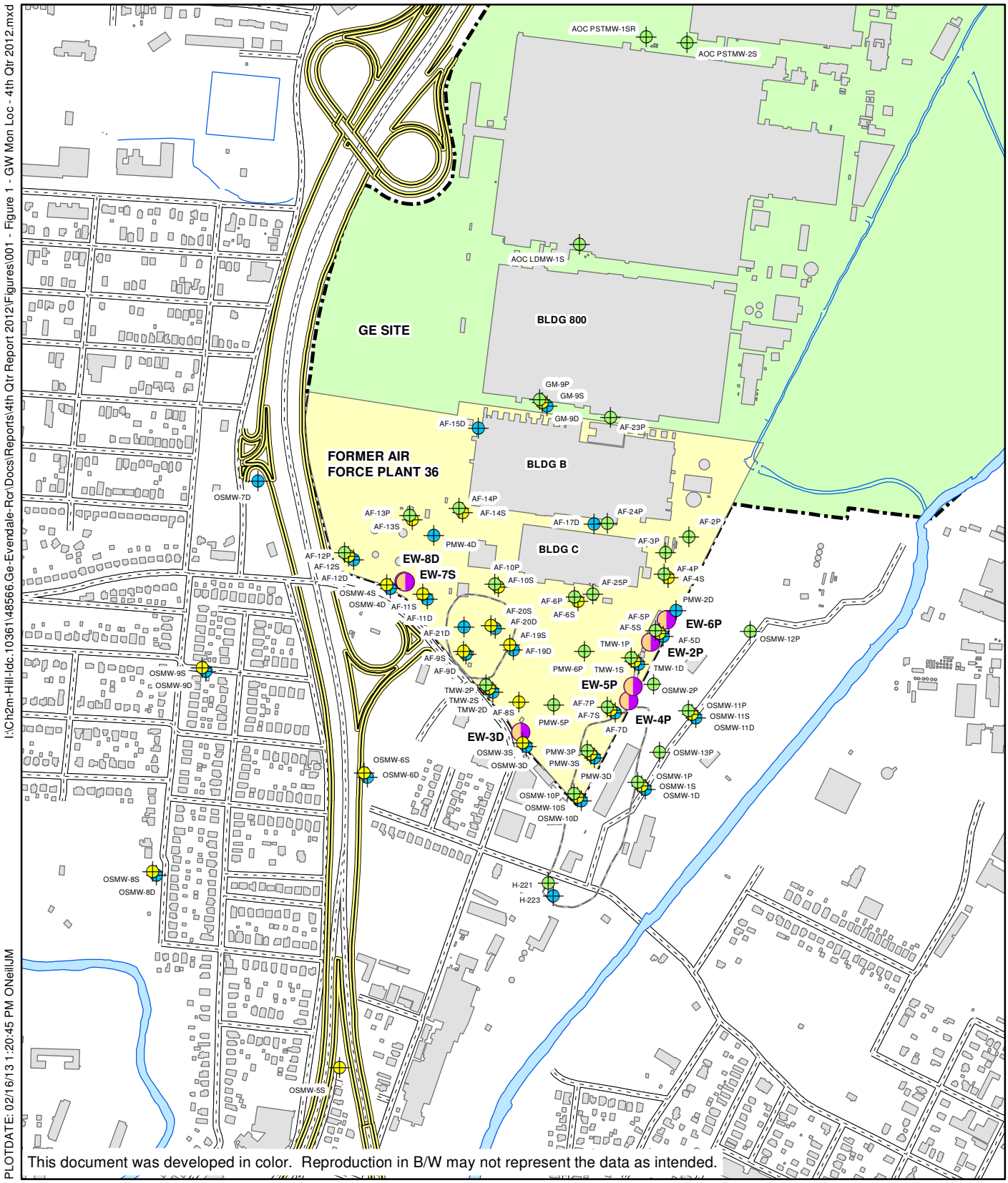
GE OHD 000 817 312
GE Aviation_Evendale, Ohio - Groundwater IRM
Comparison of Semiannual Groundwater Sampling Results (4Q-12) to MCLs for Detected Parameters Only

Location		USEPA MCL	TMW-1D		TMW-1S		TMW-2D		TMW-2S	
Sample Date			11/7/2012		11/7/2012		11/7/2012		11/7/2012	
DETECTABLE VOCs	**units**	**units**								
1,1,1-Trichloroethane	ug/l	200	< 1	J *	< 1	J *	< 1	J *	< 1	J *
1,1-Dichloroethane	ug/l	7	< 1		< 1		2.2		< 1	
1,1-Dichloroethylene	ug/l	7	< 1		< 1		1.2		< 1	
Acetone	ug/l	--	5.5	J	6.6	J	4.6	J	3.8	J
Benzene	ug/l	5	< 1		< 1		3.6		< 1	
Chloroethane	ug/l	--	< 1		< 1		< 1		< 1	
Chloroform	ug/l	--	< 1		< 1		< 1		< 1	
cis-1,2-Dichloroethylene	ug/l	70	< 1		6.3		590		< 1	
Methylene chloride	ug/l	--	< 1		< 1		< 1		< 1	
Tetrachloroethene	ug/l	5	< 1		< 1		< 1		< 1	
trans-1,3-Dichloropropylene	ug/l	100	< 1		< 1		220		< 1	
Trichloroethylene	ug/l	5	< 1		< 1		2.8		< 1	
Vinyl Chloride	ug/l	2	< 1		18		76		< 1	

Notes:
1) J = Estimated
2) NM = Not Measured
3) ** = Equipment malfunction
4) Yellow highlighting indicates exceedance of USEPA MCL

Figures

FIGURE 1



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GE
EVENDALE, OHIO

LEGEND

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

GROUNDWATER IRM MONITORING LOCATIONS

N

0 450 900 1,350 1,800
Feet

NOVEMBER 2012
DOC/4th QTR/001

O'BRIEN & GERE

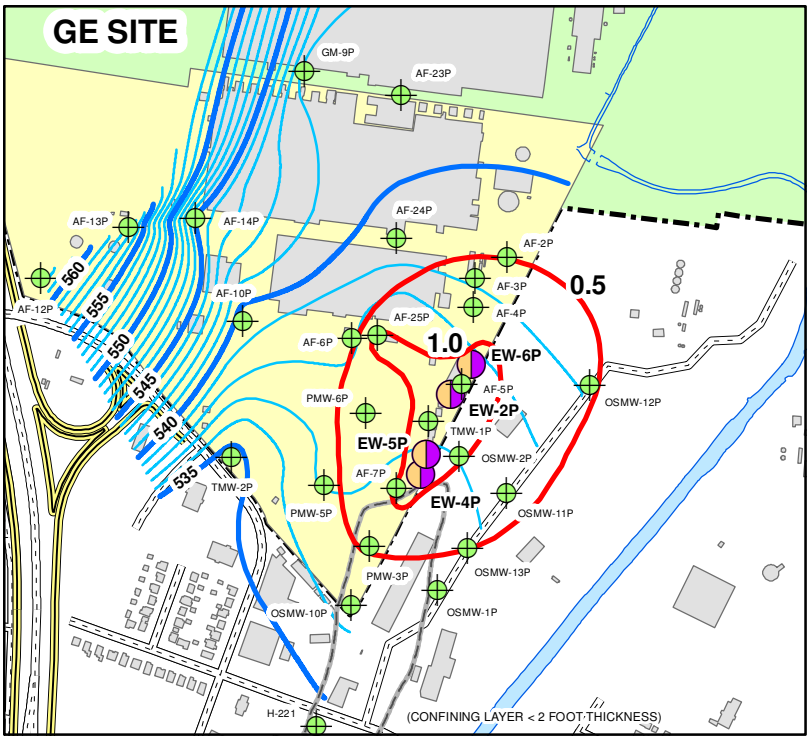
FIGURE 2

Perched Zone

Approximate Drawdown (ft)
November 7, 2012

Based on Manual & Transducer Measurements

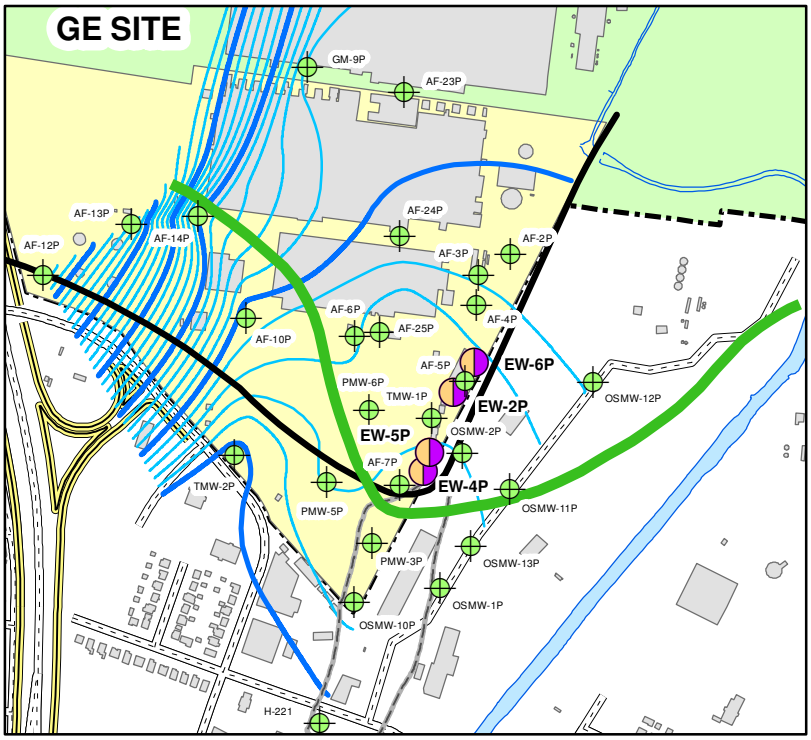
Estimated Drawdown (feet)



Perched Zone

Design Capture Zone (320 gpm)

Apparent Capture Zone (205 gpm)
11/7/2012



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EVENDALE, OHIO

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PERCHED UNIT ESTIMATED DRAWDOWN AND CAPTURE ZONE

NOVEMBER 2012
48566.001

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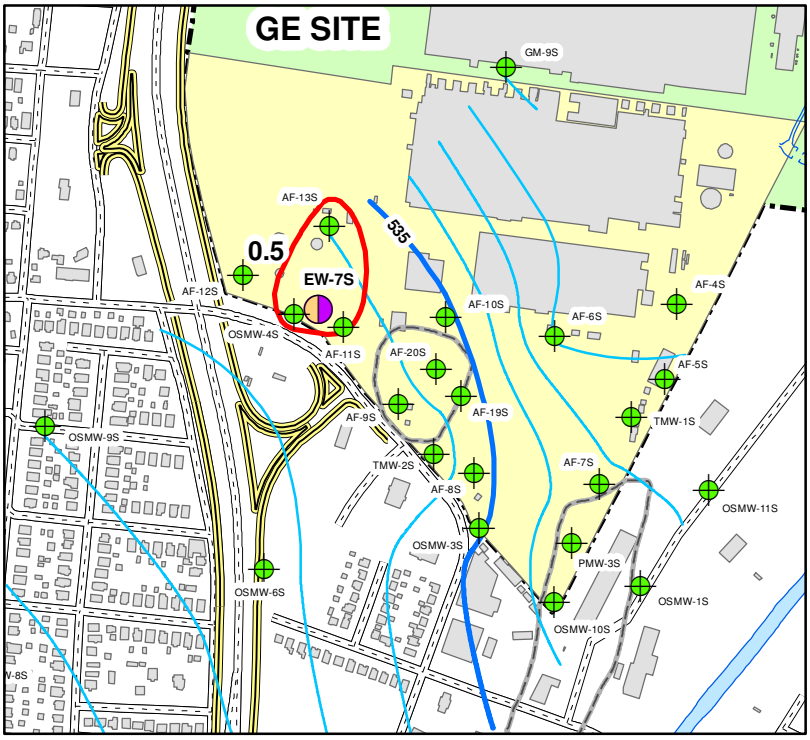
FIGURE 3

USG Zone

Approximate Drawdown (ft)
November 7, 2012

Based on Manual & Transducer Measurements

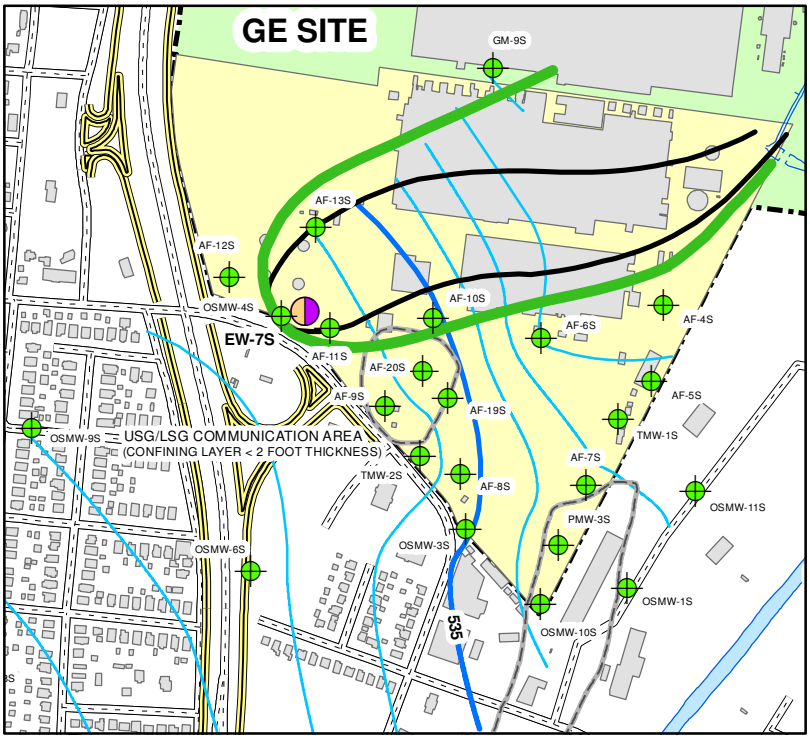
Estimated Drawdown (feet)



USG Zone

Design Capture Zone (80 gpm)

Apparent Capture Zone (50 gpm) 11/7/2012



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USG UNIT ESTIMATED DRAWDOWN AND CAPTURE ZONE

NOVEMBER 2012
48566.002

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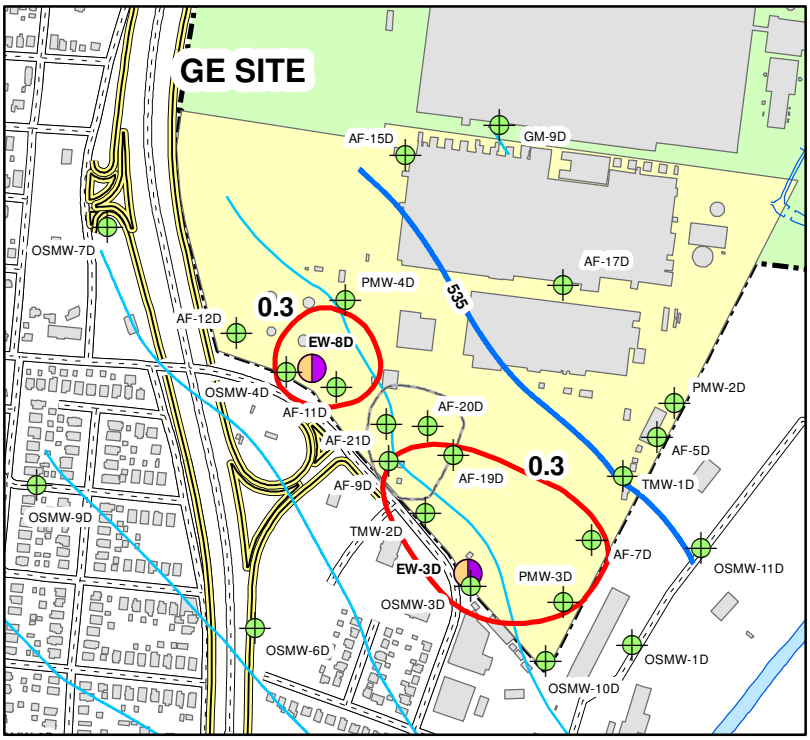
FIGURE 4

LSG Zone

Approximate Drawdown (ft)
November 7, 2012

Based on Manual & Transducer Measurements

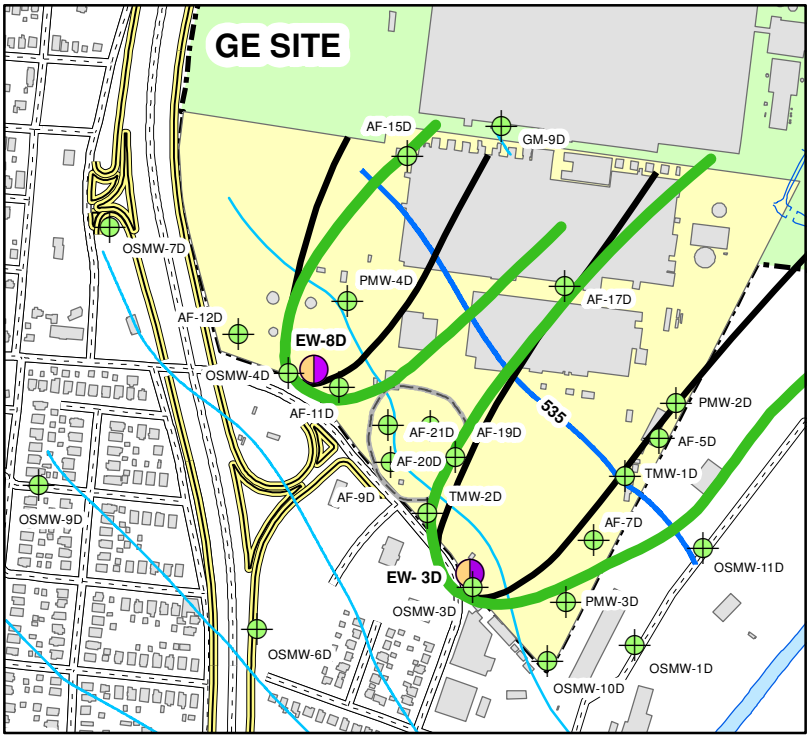
Estimated Drawdown (feet)



LSG Zone

Design Capture Zone (160 gpm)

Apparent Capture Zone (100 gpm) 11/7/2012



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GE
EVENDALE, OHIO

N

LSG UNIT ESTIMATED DRAWDOWN AND CAPTURE ZONES

NOVEMBER 2012
47679.003

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I:\Ch2m-Hill-Idc.10361\48566.Ge-Evendale-Rcr\Docs\Reports\4th Qtr Report 2012\Figures\005 - Figure 5 - Perched Wells and Charts 2012 Q-4.mxd

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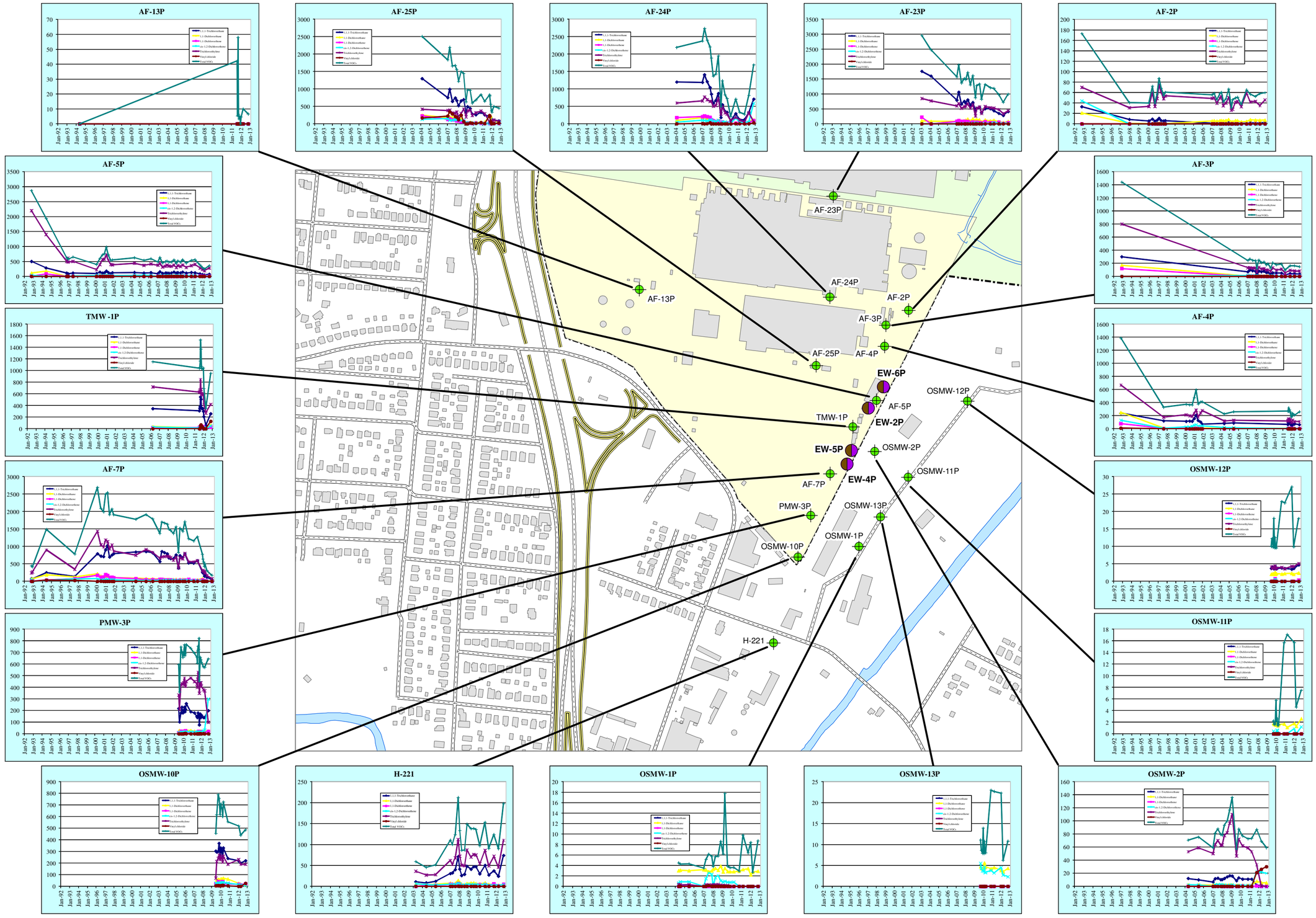

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FIGURE 5

GE
EVENDALE, OHIO

LEGEND

- PERCHED AQUIFER MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS
- PERCHED AQUIFER EXTRACTION WELL

GRAPH KEY

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

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 AQUIFER HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

N

0 250 500 1,000
Feet

NOVEMBER 2012
10361\48556-005

O'BRIEN & GERE

I:\Ch2m-Hill-Idc.10361\48566.Ge-Evendale-Ror\Docs\Reports\4th Qtr Report 2012\Figures\006 - Figure 6 - USG Wells and Charts 2012 Q-4.mxd

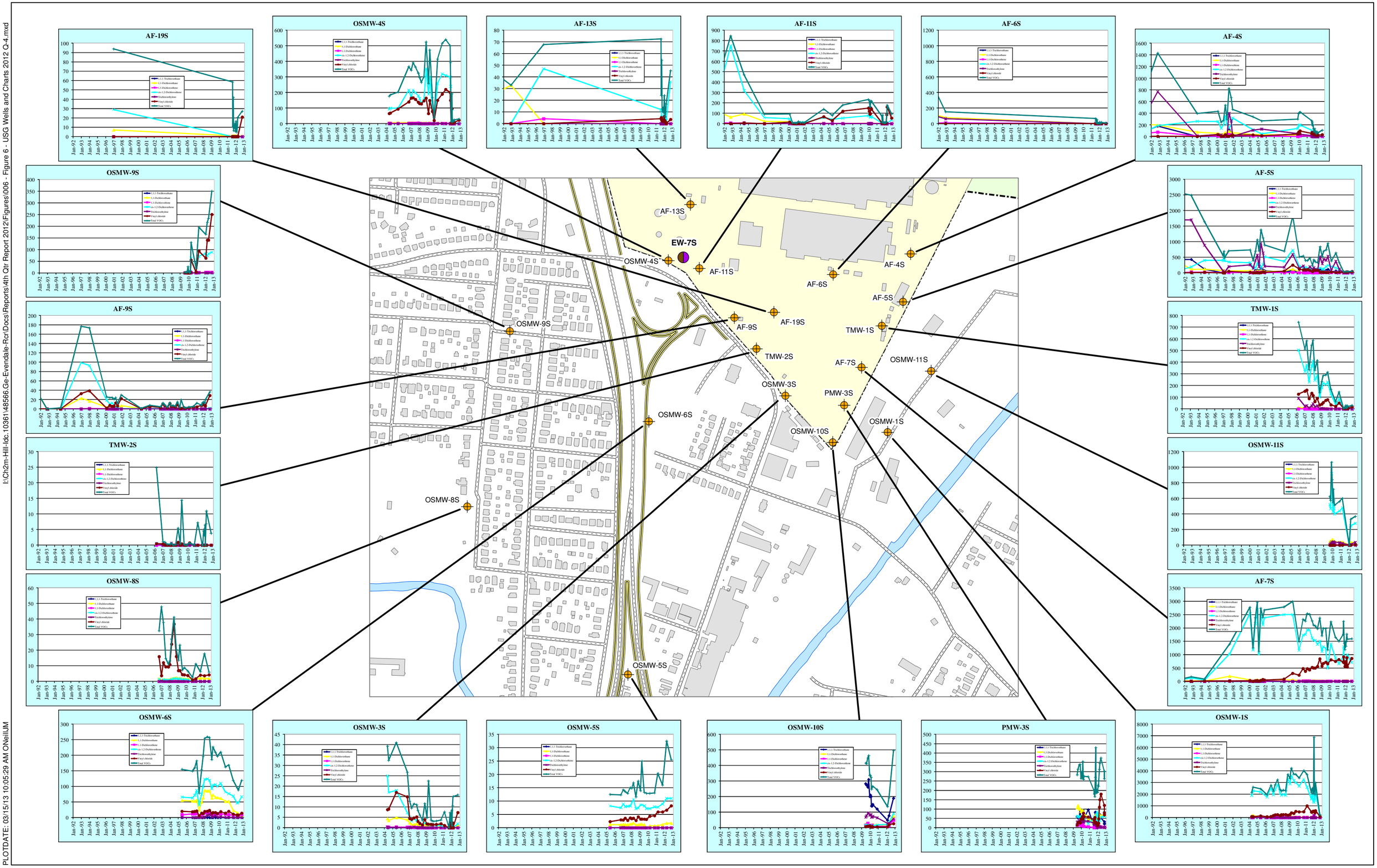

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FIGURE 6

GE
EVENDALE, OHIO

LEGEND

USG AQUIFER MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS

USG AQUIFER EXTRACTION WELL

GRAPH KEY

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

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.

USG AQUIFER HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

0 250 500 1,000
Feet

NOVEMBER 2012
10361\48556-006

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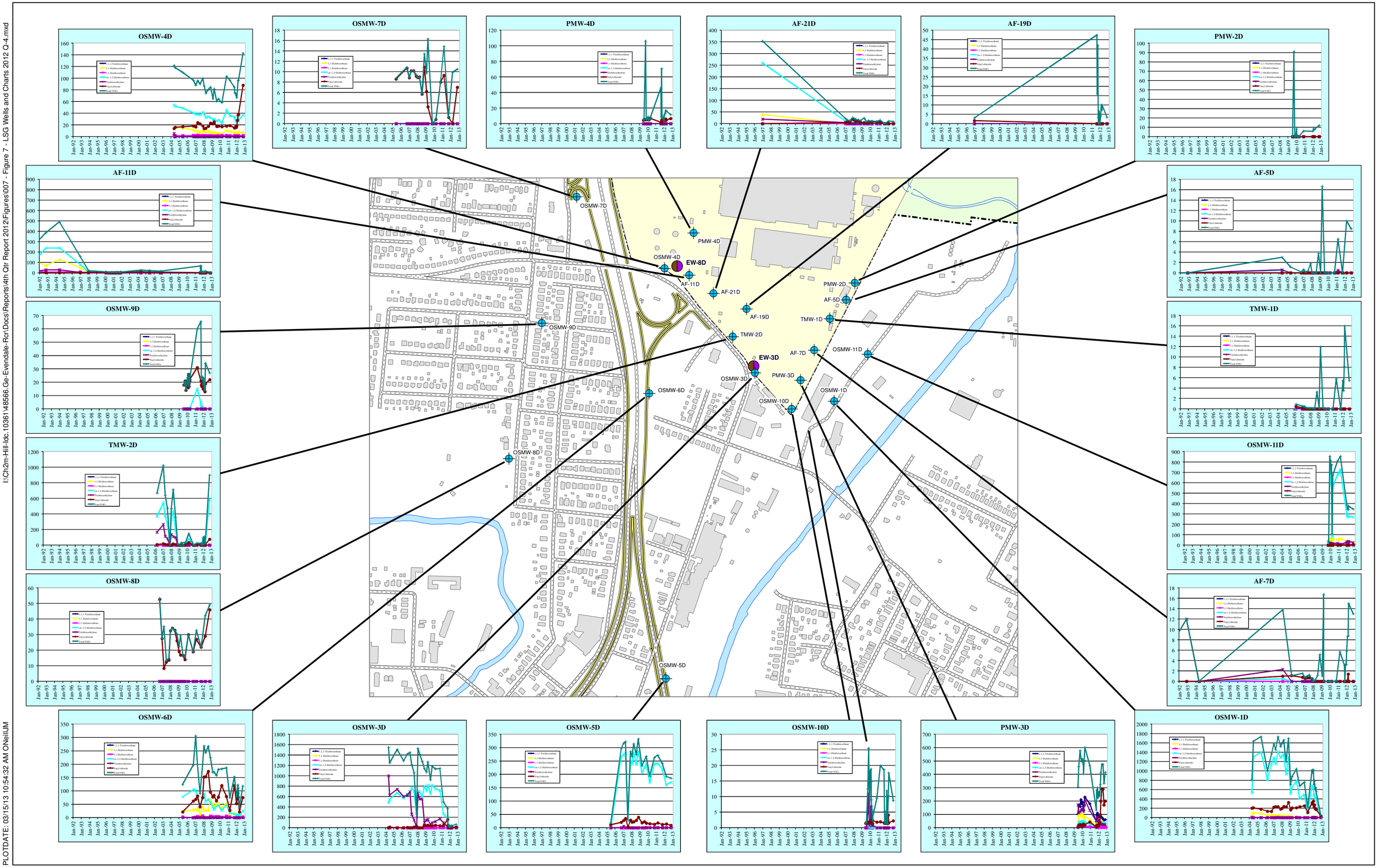

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FIGURE 7

GE
EVENDALE, OHIO

LEGEND

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

GRAPH KEY

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

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.

N

NOVEMBER 2012
10361\48556-007

LSG AQUIFER HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

0 250 500 1,000
Feet

O'BRIEN & GERE

Appendices

Appendix A

Analytical Laboratory Reports

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: 480-28077-1
TestAmerica Sample Delivery Group: 480-28077
Client Project/Site: GE IRM Project

For:
O'Brien & Gere Inc of North America
37000 Grand River Ave
Suite 260
Farmington Hills, Michigan 48335

Attn: Mr. Tony Finch

Authorized for release by:
12/11/2012 3:18:53 PM
Robert Wienke
Project Administrator
robert.wienke@testamericainc.com

Designee for

John Schove
Project Manager I
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
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: 480-28077-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-28077-1

Comments
No additional comments.

Receipt
The samples were received on 11/7/2012 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) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: AF-4P 110612 (480-28077-9), OSMW-10P 110612 (480-28077-5), PMW-3D 110612 (480-28077-4), PMW-3P 110612 (480-28077-2), PMW-3S 110612 (480-28077-3), TMW-1P 110612 (480-28077-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 91508 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 91508 was outside control limits.

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: ADW-100 110612 (480-28077-11), OSMW-10S 110612 (480-28077-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike duplicate (MSD) recovery for batch 91573 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 91573 was outside control limits.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: OSMW-11D 110612 (480-28077-27), OSMW-11S 110612 (480-28077-26), OSMW-9S 110612 (480-28077-22). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank for batch 91573 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: TRIP BLANK 110612 — Lab Sample ID: 480-28077-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18		10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: PMW-3P 110612 — Lab Sample ID: 480-28077-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	200		5.0	4.1	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	24		5.0	1.9	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	21		5.0	1.5	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	300		5.0	4.1	ug/L	5		8260B	Total/NA
Trichloroethene	100		5.0	2.3	ug/L	5		8260B	Total/NA

Client Sample ID: PMW-3S 110612 — Lab Sample ID: 480-28077-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	20		2.0	1.6	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	65		2.0	0.76	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	2.9		2.0	0.58	ug/L	2		8260B	Total/NA
2-Butanone (MEK)	5.9	J	20	2.6	ug/L	2		8260B	Total/NA
Acetone	55		20	6.0	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	82		2.0	1.6	ug/L	2		8260B	Total/NA
Trichloroethene	3.4		2.0	0.92	ug/L	2		8260B	Total/NA
Vinyl chloride	69		2.0	1.8	ug/L	2		8260B	Total/NA

Client Sample ID: PMW-3D 110612 — Lab Sample ID: 480-28077-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	61		4.0	3.3	ug/L	4		8260B	Total/NA
1,1-Dichloroethane	31		4.0	1.5	ug/L	4		8260B	Total/NA
1,1-Dichloroethene	5.8		4.0	1.2	ug/L	4		8260B	Total/NA
2-Butanone (MEK)	6.9	J	40	5.3	ug/L	4		8260B	Total/NA
Acetone	51		40	12	ug/L	4		8260B	Total/NA
cis-1,2-Dichloroethene	37		4.0	3.2	ug/L	4		8260B	Total/NA
Trichloroethene	23		4.0	1.8	ug/L	4		8260B	Total/NA
Vinyl chloride	200		4.0	3.6	ug/L	4		8260B	Total/NA

Client Sample ID: OSMW-10P 110612 — Lab Sample ID: 480-28077-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	220		4.0	3.3	ug/L	4		8260B	Total/NA
1,1-Dichloroethane	16		4.0	1.5	ug/L	4		8260B	Total/NA
1,1-Dichloroethene	22		4.0	1.2	ug/L	4		8260B	Total/NA
cis-1,2-Dichloroethene	12		4.0	3.2	ug/L	4		8260B	Total/NA
Trichloroethene	190		4.0	1.8	ug/L	4		8260B	Total/NA
Vinyl chloride	26		4.0	3.6	ug/L	4		8260B	Total/NA

Client Sample ID: OSMW-10S 110612 — Lab Sample ID: 480-28077-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	0.40	J	1.0	0.23	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	76		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	48		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	4.9	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-10S 110612 (Continued) — Lab Sample ID: 480-28077-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	91		1.0	0.81	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.7		1.0	0.90	ug/L	1		8260B	Total/NA
Trichloroethene	57		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	26		1.0	0.90	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane - DL	190		4.0	3.3	ug/L	4		8260B	Total/NA

Client Sample ID: OSMW-10D 110612 — Lab Sample ID: 480-28077-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.5	J	10	3.0	ug/L	1		8260B	Total/NA
Vinyl chloride	2.2		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: TMW-1P 110612 — Lab Sample ID: 480-28077-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	260		5.0	4.1	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	64		5.0	1.9	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	29		5.0	1.5	ug/L	5		8260B	Total/NA
Chloroform	2.2	J	5.0	1.7	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	51		5.0	4.1	ug/L	5		8260B	Total/NA
Trichloroethene	420		5.0	2.3	ug/L	5		8260B	Total/NA
Vinyl chloride	130		5.0	4.5	ug/L	5		8260B	Total/NA

Client Sample ID: AF-4P 110612 — Lab Sample ID: 480-28077-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	63		2.0	1.6	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	7.1		2.0	0.76	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	4.6		2.0	0.58	ug/L	2		8260B	Total/NA
2-Butanone (MEK)	21		20	2.6	ug/L	2		8260B	Total/NA
Acetone	37		20	6.0	ug/L	2		8260B	Total/NA
Chloroform	1.2	J	2.0	0.68	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	2.8		2.0	1.6	ug/L	2		8260B	Total/NA
Tetrachloroethene	14		2.0	0.72	ug/L	2		8260B	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260B	Total/NA

Client Sample ID: AF-4S 110612 — Lab Sample ID: 480-28077-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.2		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	9.0		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.4		1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.23	J	1.0	0.21	ug/L	1		8260B	Total/NA
Acetone	6.1	J	10	3.0	ug/L	1		8260B	Total/NA
Benzene	1.7		1.0	0.41	ug/L	1		8260B	Total/NA
Chloroethane	3.6		1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	38		1.0	0.81	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.2		1.0	0.90	ug/L	1		8260B	Total/NA
Trichloroethene	8.6		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	34		1.0	0.90	ug/L	1		8260B	Total/NA

Detection Summary

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: ADW-100 110612 — Lab Sample ID: 480-28077-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	59		2.0	1.6	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	6.8		2.0	0.76	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	3.2		2.0	0.58	ug/L	2		8260B	Total/NA
2-Butanone (MEK)	19	J	20	2.6	ug/L	2		8260B	Total/NA
Acetone	38		20	6.0	ug/L	2		8260B	Total/NA
Chloroform	1.2	J	2.0	0.68	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	2.5		2.0	1.6	ug/L	2		8260B	Total/NA
Tetrachloroethene	14		2.0	0.72	ug/L	2		8260B	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260B	Total/NA

Client Sample ID: AF-6S 110612 — Lab Sample ID: 480-28077-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	2.0		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: AF-19S 110612 — Lab Sample ID: 480-28077-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.62	J	1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	5.6	J	10	3.0	ug/L	1		8260B	Total/NA
Vinyl chloride	21		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: AF-19D 110612 — Lab Sample ID: 480-28077-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: PMW-2D 110612 — Lab Sample ID: 480-28077-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: AF-11S 110612 — Lab Sample ID: 480-28077-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	3.2	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	35		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	54		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: AF-11D 110612 — Lab Sample ID: 480-28077-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J	10	3.0	ug/L	1		8260B	Total/NA
Chloroethane	0.44	J	1.0	0.32	ug/L	1		8260B	Total/NA

Client Sample ID: ADW-101 110612 — Lab Sample ID: 480-28077-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: ADW-101 110612 (Continued) — Lab Sample ID: 480-28077-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	0.47	J	1.0	0.32	ug/L	1		8260B	Total/NA

Client Sample ID: PMW-4D 110612 — Lab Sample ID: 480-28077-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J	10	3.0	ug/L	1		8260B	Total/NA
Vinyl chloride	6.6		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: AF-13P 110612 — Lab Sample ID: 480-28077-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.6	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: AF-13S 110612 — Lab Sample ID: 480-28077-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	36		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	3.6		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-9S 110612 — Lab Sample ID: 480-28077-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.1		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.4		1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.22	J	1.0	0.21	ug/L	1		8260B	Total/NA
Acetone	7.3	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	88		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride - DL	250		5.0	4.5	ug/L	5		8260B	Total/NA

Client Sample ID: OSMW-9D 110612 — Lab Sample ID: 480-28077-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	10	3.0	ug/L	1		8260B	Total/NA
Vinyl chloride	22		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-12P 110612 — Lab Sample ID: 480-28077-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.7		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	2.4		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.34	J	1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	5.5	J	10	3.0	ug/L	1		8260B	Total/NA
Trichloroethene	5.1		1.0	0.46	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-11P 110612 — Lab Sample ID: 480-28077-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.6		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	3.7	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260B	Total/NA

Detection Summary

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-11S 110612 — Lab Sample ID: 480-28077-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.4		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	31		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.7		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	4.7	J	10	3.0	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	5.6		1.0	0.90	ug/L	1		8260B	Total/NA
Trichloroethene	36		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	5.4		1.0	0.90	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	280		5.0	4.1	ug/L	5		8260B	Total/NA

Client Sample ID: OSMW-11D 110612 — Lab Sample ID: 480-28077-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.99	J	1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	32		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	4.1		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	4.4	J	10	3.0	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.0		1.0	0.90	ug/L	1		8260B	Total/NA
Trichloroethene	24		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	5.9		1.0	0.90	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	270		5.0	4.1	ug/L	5		8260B	Total/NA

Client Sample ID: OSMW-13P 110612 — Lab Sample ID: 480-28077-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.3		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	4.2	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.3		1.0	0.81	ug/L	1		8260B	Total/NA

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: TRIP BLANK 110612

Lab Sample ID: 480-28077-1

Date Collected: 11/06/12 00:00
Matrix: Ground Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 00:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 00:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 00:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 00:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 00:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 00:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 00:39	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 00:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 00:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 00:39	1
Acetone	**18**		10	3.0	ug/L			11/17/12 00:39	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 00:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 00:39	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 00:39	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 00:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 00:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 00:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 00:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 00:39	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 00:39	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 00:39	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 00:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 00:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 00:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 00:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 00:39	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 00:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 00:39	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 00:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 00:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 00:39	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 00:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 00:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/17/12 00:39*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 00:39*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/17/12 00:39*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: PMW-3P 110612

Lab Sample ID: 480-28077-2

Date Collected: 11/06/12 08:50
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**200**		5.0	4.1	ug/L			11/17/12 01:02	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/17/12 01:02	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/17/12 01:02	5
1,1-Dichloroethane	**24**		5.0	1.9	ug/L			11/17/12 01:02	5
1,1-Dichloroethene	**21**		5.0	1.5	ug/L			11/17/12 01:02	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/17/12 01:02	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/17/12 01:02	5
2-Hexanone	ND		25	6.2	ug/L			11/17/12 01:02	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/17/12 01:02	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/17/12 01:02	5
Acetone	ND		50	15	ug/L			11/17/12 01:02	5
Benzene	ND		5.0	2.1	ug/L			11/17/12 01:02	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/17/12 01:02	5
Bromoform	ND		5.0	1.3	ug/L			11/17/12 01:02	5
Bromomethane	ND		5.0	3.5	ug/L			11/17/12 01:02	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/17/12 01:02	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/17/12 01:02	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/17/12 01:02	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/17/12 01:02	5
Chloroethane	ND		5.0	1.6	ug/L			11/17/12 01:02	5
Chloroform	ND		5.0	1.7	ug/L			11/17/12 01:02	5
Chloromethane	ND		5.0	1.8	ug/L			11/17/12 01:02	5
cis-1,2-Dichloroethene	**300**		5.0	4.1	ug/L			11/17/12 01:02	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/17/12 01:02	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/17/12 01:02	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/17/12 01:02	5
Styrene	ND		5.0	3.7	ug/L			11/17/12 01:02	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/17/12 01:02	5
Toluene	ND		5.0	2.6	ug/L			11/17/12 01:02	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/17/12 01:02	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/17/12 01:02	5
Trichloroethene	**100**		5.0	2.3	ug/L			11/17/12 01:02	5
Vinyl chloride	ND		5.0	4.5	ug/L			11/17/12 01:02	5
Xylenes, Total	ND		10	3.3	ug/L			11/17/12 01:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*66 - 137*		*11/17/12 01:02*	*5*
Toluene-d8 (Surr)	*116*		*71 - 126*		*11/17/12 01:02*	*5*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/17/12 01:02*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: PMW-3S 110612

Lab Sample ID: 480-28077-3

Date Collected: 11/06/12 08:50

Matrix: Water

Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**20**		2.0	1.6	ug/L			11/17/12 01:26	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/17/12 01:26	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/17/12 01:26	2
1,1-Dichloroethane	**65**		2.0	0.76	ug/L			11/17/12 01:26	2
1,1-Dichloroethene	**2.9**		2.0	0.58	ug/L			11/17/12 01:26	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/17/12 01:26	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/17/12 01:26	2
2-Hexanone	ND		10	2.5	ug/L			11/17/12 01:26	2
2-Butanone (MEK)	**5.9**	**J**	20	2.6	ug/L			11/17/12 01:26	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/17/12 01:26	2
Acetone	**55**		20	6.0	ug/L			11/17/12 01:26	2
Benzene	ND		2.0	0.82	ug/L			11/17/12 01:26	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/17/12 01:26	2
Bromoform	ND		2.0	0.52	ug/L			11/17/12 01:26	2
Bromomethane	ND		2.0	1.4	ug/L			11/17/12 01:26	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/17/12 01:26	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/17/12 01:26	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/17/12 01:26	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/17/12 01:26	2
Chloroethane	ND		2.0	0.64	ug/L			11/17/12 01:26	2
Chloroform	ND		2.0	0.68	ug/L			11/17/12 01:26	2
Chloromethane	ND		2.0	0.70	ug/L			11/17/12 01:26	2
cis-1,2-Dichloroethene	**82**		2.0	1.6	ug/L			11/17/12 01:26	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/17/12 01:26	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/17/12 01:26	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/17/12 01:26	2
Styrene	ND		2.0	1.5	ug/L			11/17/12 01:26	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/17/12 01:26	2
Toluene	ND		2.0	1.0	ug/L			11/17/12 01:26	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/17/12 01:26	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/17/12 01:26	2
Trichloroethene	**3.4**		2.0	0.92	ug/L			11/17/12 01:26	2
Vinyl chloride	**69**		2.0	1.8	ug/L			11/17/12 01:26	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/17/12 01:26	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*11/17/12 01:26*	*2*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/17/12 01:26*	*2*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/17/12 01:26*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: PMW-3D 110612

Lab Sample ID: 480-28077-4

Date Collected: 11/06/12 09:00
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**61**		4.0	3.3	ug/L			11/17/12 01:50	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/17/12 01:50	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/17/12 01:50	4
1,1-Dichloroethane	**31**		4.0	1.5	ug/L			11/17/12 01:50	4
1,1-Dichloroethene	**5.8**		4.0	1.2	ug/L			11/17/12 01:50	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/17/12 01:50	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/17/12 01:50	4
2-Hexanone	ND		20	5.0	ug/L			11/17/12 01:50	4
2-Butanone (MEK)	**6.9**	**J**	40	5.3	ug/L			11/17/12 01:50	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/17/12 01:50	4
Acetone	**51**		40	12	ug/L			11/17/12 01:50	4
Benzene	ND		4.0	1.6	ug/L			11/17/12 01:50	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/17/12 01:50	4
Bromoform	ND		4.0	1.0	ug/L			11/17/12 01:50	4
Bromomethane	ND		4.0	2.8	ug/L			11/17/12 01:50	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/17/12 01:50	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/17/12 01:50	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/17/12 01:50	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/17/12 01:50	4
Chloroethane	ND		4.0	1.3	ug/L			11/17/12 01:50	4
Chloroform	ND		4.0	1.4	ug/L			11/17/12 01:50	4
Chloromethane	ND		4.0	1.4	ug/L			11/17/12 01:50	4
cis-1,2-Dichloroethene	**37**		4.0	3.2	ug/L			11/17/12 01:50	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/17/12 01:50	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/17/12 01:50	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/17/12 01:50	4
Styrene	ND		4.0	2.9	ug/L			11/17/12 01:50	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/17/12 01:50	4
Toluene	ND		4.0	2.0	ug/L			11/17/12 01:50	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/17/12 01:50	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/17/12 01:50	4
Trichloroethene	**23**		4.0	1.8	ug/L			11/17/12 01:50	4
Vinyl chloride	**200**		4.0	3.6	ug/L			11/17/12 01:50	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/17/12 01:50	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/17/12 01:50*	*4*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 01:50*	*4*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/17/12 01:50*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-10P 110612

Lab Sample ID: 480-28077-5

Date Collected: 11/06/12 09:15
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**220**		4.0	3.3	ug/L			11/17/12 02:14	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/17/12 02:14	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/17/12 02:14	4
1,1-Dichloroethane	**16**		4.0	1.5	ug/L			11/17/12 02:14	4
1,1-Dichloroethene	**22**		4.0	1.2	ug/L			11/17/12 02:14	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/17/12 02:14	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/17/12 02:14	4
2-Hexanone	ND		20	5.0	ug/L			11/17/12 02:14	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/17/12 02:14	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/17/12 02:14	4
Acetone	ND		40	12	ug/L			11/17/12 02:14	4
Benzene	ND		4.0	1.6	ug/L			11/17/12 02:14	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/17/12 02:14	4
Bromoform	ND		4.0	1.0	ug/L			11/17/12 02:14	4
Bromomethane	ND		4.0	2.8	ug/L			11/17/12 02:14	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/17/12 02:14	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/17/12 02:14	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/17/12 02:14	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/17/12 02:14	4
Chloroethane	ND		4.0	1.3	ug/L			11/17/12 02:14	4
Chloroform	ND		4.0	1.4	ug/L			11/17/12 02:14	4
Chloromethane	ND		4.0	1.4	ug/L			11/17/12 02:14	4
cis-1,2-Dichloroethene	**12**		4.0	3.2	ug/L			11/17/12 02:14	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/17/12 02:14	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/17/12 02:14	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/17/12 02:14	4
Styrene	ND		4.0	2.9	ug/L			11/17/12 02:14	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/17/12 02:14	4
Toluene	ND		4.0	2.0	ug/L			11/17/12 02:14	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/17/12 02:14	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/17/12 02:14	4
Trichloroethene	**190**		4.0	1.8	ug/L			11/17/12 02:14	4
Vinyl chloride	**26**		4.0	3.6	ug/L			11/17/12 02:14	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/17/12 02:14	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*11/17/12 02:14*	*4*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 02:14*	*4*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/17/12 02:14*	*4*

Client Sample ID: OSMW-10S 110612

Lab Sample ID: 480-28077-6

Date Collected: 11/06/12 09:20

Matrix: Water

Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 02:38	1
1,1,2-Trichloroethane	**0.40**	**J**	1.0	0.23	ug/L			11/17/12 02:38	1
1,1-Dichloroethane	**76**		1.0	0.38	ug/L			11/17/12 02:38	1
1,1-Dichloroethene	**48**		1.0	0.29	ug/L			11/17/12 02:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 02:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 02:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 02:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 02:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 02:38	1
Acetone	**4.9**	**J**	10	3.0	ug/L			11/17/12 02:38	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 02:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 02:38	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 02:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 02:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 02:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 02:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 02:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 02:38	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 02:38	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 02:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 02:38	1
cis-1,2-Dichloroethene	**91**		1.0	0.81	ug/L			11/17/12 02:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 02:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 02:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 02:38	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 02:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 02:38	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 02:38	1
trans-1,2-Dichloroethene	**2.7**		1.0	0.90	ug/L			11/17/12 02:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 02:38	1
Trichloroethene	**57**		1.0	0.46	ug/L			11/17/12 02:38	1
Vinyl chloride	**26**		1.0	0.90	ug/L			11/17/12 02:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*11/17/12 02:38*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/17/12 02:38*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/17/12 02:38*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**190**		4.0	3.3	ug/L			11/17/12 13:50	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*11/17/12 13:50*	*4*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 13:50*	*4*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/17/12 13:50*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-10D 110612

Lab Sample ID: 480-28077-7

Date Collected: 11/06/12 09:25
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 03:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 03:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 03:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 03:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 03:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 03:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 03:02	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 03:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 03:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 03:02	1
Acetone	**6.5**	**J**	10	3.0	ug/L			11/17/12 03:02	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 03:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 03:02	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 03:02	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 03:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 03:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 03:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 03:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 03:02	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 03:02	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 03:02	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 03:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 03:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 03:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 03:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 03:02	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 03:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 03:02	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 03:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 03:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 03:02	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 03:02	1
Vinyl chloride	**2.2**		1.0	0.90	ug/L			11/17/12 03:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*11/17/12 03:02*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 03:02*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*11/17/12 03:02*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: TMW-1P 110612

Date Collected: 11/06/12 10:20
Date Received: 11/07/12 09:00

Lab Sample ID: 480-28077-8

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**260**		5.0	4.1	ug/L			11/17/12 03:25	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/17/12 03:25	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/17/12 03:25	5
1,1-Dichloroethane	**64**		5.0	1.9	ug/L			11/17/12 03:25	5
1,1-Dichloroethene	**29**		5.0	1.5	ug/L			11/17/12 03:25	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/17/12 03:25	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/17/12 03:25	5
2-Hexanone	ND		25	6.2	ug/L			11/17/12 03:25	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/17/12 03:25	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/17/12 03:25	5
Acetone	ND		50	15	ug/L			11/17/12 03:25	5
Benzene	ND		5.0	2.1	ug/L			11/17/12 03:25	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/17/12 03:25	5
Bromoform	ND		5.0	1.3	ug/L			11/17/12 03:25	5
Bromomethane	ND		5.0	3.5	ug/L			11/17/12 03:25	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/17/12 03:25	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/17/12 03:25	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/17/12 03:25	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/17/12 03:25	5
Chloroethane	ND		5.0	1.6	ug/L			11/17/12 03:25	5
Chloroform	**2.2**	**J**	5.0	1.7	ug/L			11/17/12 03:25	5
Chloromethane	ND		5.0	1.8	ug/L			11/17/12 03:25	5
cis-1,2-Dichloroethene	**51**		5.0	4.1	ug/L			11/17/12 03:25	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/17/12 03:25	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/17/12 03:25	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/17/12 03:25	5
Styrene	ND		5.0	3.7	ug/L			11/17/12 03:25	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/17/12 03:25	5
Toluene	ND		5.0	2.6	ug/L			11/17/12 03:25	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/17/12 03:25	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/17/12 03:25	5
Trichloroethene	**420**		5.0	2.3	ug/L			11/17/12 03:25	5
Vinyl chloride	**130**		5.0	4.5	ug/L			11/17/12 03:25	5
Xylenes, Total	ND		10	3.3	ug/L			11/17/12 03:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*11/17/12 03:25*	*5*
Toluene-d8 (Surr)	*115*		*71 - 126*		*11/17/12 03:25*	*5*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/17/12 03:25*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-4P 110612

Lab Sample ID: 480-28077-9

Date Collected: 11/06/12 10:35
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**63**		2.0	1.6	ug/L			11/17/12 03:49	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/17/12 03:49	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/17/12 03:49	2
1,1-Dichloroethane	**7.1**		2.0	0.76	ug/L			11/17/12 03:49	2
1,1-Dichloroethene	**4.6**		2.0	0.58	ug/L			11/17/12 03:49	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/17/12 03:49	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/17/12 03:49	2
2-Hexanone	ND		10	2.5	ug/L			11/17/12 03:49	2
2-Butanone (MEK)	**21**		20	2.6	ug/L			11/17/12 03:49	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/17/12 03:49	2
Acetone	**37**		20	6.0	ug/L			11/17/12 03:49	2
Benzene	ND		2.0	0.82	ug/L			11/17/12 03:49	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/17/12 03:49	2
Bromoform	ND		2.0	0.52	ug/L			11/17/12 03:49	2
Bromomethane	ND		2.0	1.4	ug/L			11/17/12 03:49	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/17/12 03:49	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/17/12 03:49	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/17/12 03:49	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/17/12 03:49	2
Chloroethane	ND		2.0	0.64	ug/L			11/17/12 03:49	2
Chloroform	**1.2**	**J**	2.0	0.68	ug/L			11/17/12 03:49	2
Chloromethane	ND		2.0	0.70	ug/L			11/17/12 03:49	2
cis-1,2-Dichloroethene	**2.8**		2.0	1.6	ug/L			11/17/12 03:49	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/17/12 03:49	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/17/12 03:49	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/17/12 03:49	2
Styrene	ND		2.0	1.5	ug/L			11/17/12 03:49	2
Tetrachloroethene	**14**		2.0	0.72	ug/L			11/17/12 03:49	2
Toluene	ND		2.0	1.0	ug/L			11/17/12 03:49	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/17/12 03:49	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/17/12 03:49	2
Trichloroethene	**110**		2.0	0.92	ug/L			11/17/12 03:49	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/17/12 03:49	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/17/12 03:49	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*11/17/12 03:49*	*2*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 03:49*	*2*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/17/12 03:49*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-4S 110612

Lab Sample ID: 480-28077-10

Date Collected: 11/06/12 10:40
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**5.2**		1.0	0.82	ug/L			11/17/12 04:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 04:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 04:13	1
1,1-Dichloroethane	**9.0**		1.0	0.38	ug/L			11/17/12 04:13	1
1,1-Dichloroethene	**2.4**		1.0	0.29	ug/L			11/17/12 04:13	1
1,2-Dichloroethane	**0.23**	**J**	1.0	0.21	ug/L			11/17/12 04:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 04:13	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 04:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 04:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 04:13	1
Acetone	**6.1**	**J**	10	3.0	ug/L			11/17/12 04:13	1
Benzene	**1.7**		1.0	0.41	ug/L			11/17/12 04:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 04:13	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 04:13	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 04:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 04:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 04:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 04:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 04:13	1
Chloroethane	**3.6**		1.0	0.32	ug/L			11/17/12 04:13	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 04:13	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 04:13	1
cis-1,2-Dichloroethene	**38**		1.0	0.81	ug/L			11/17/12 04:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 04:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 04:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 04:13	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 04:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 04:13	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 04:13	1
trans-1,2-Dichloroethene	**1.2**		1.0	0.90	ug/L			11/17/12 04:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 04:13	1
Trichloroethene	**8.6**		1.0	0.46	ug/L			11/17/12 04:13	1
Vinyl chloride	**34**		1.0	0.90	ug/L			11/17/12 04:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*66 - 137*		*11/17/12 04:13*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 04:13*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/17/12 04:13*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: ADW-100 110612

Date Collected: 11/06/12 00:00
Date Received: 11/07/12 09:00

Lab Sample ID: 480-28077-11

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**59**		2.0	1.6	ug/L			11/17/12 14:14	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/17/12 14:14	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/17/12 14:14	2
1,1-Dichloroethane	**6.8**		2.0	0.76	ug/L			11/17/12 14:14	2
1,1-Dichloroethene	**3.2**		2.0	0.58	ug/L			11/17/12 14:14	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/17/12 14:14	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/17/12 14:14	2
2-Hexanone	ND		10	2.5	ug/L			11/17/12 14:14	2
2-Butanone (MEK)	**19**	**J**	20	2.6	ug/L			11/17/12 14:14	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/17/12 14:14	2
Acetone	**38**		20	6.0	ug/L			11/17/12 14:14	2
Benzene	ND		2.0	0.82	ug/L			11/17/12 14:14	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/17/12 14:14	2
Bromoform	ND		2.0	0.52	ug/L			11/17/12 14:14	2
Bromomethane	ND		2.0	1.4	ug/L			11/17/12 14:14	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/17/12 14:14	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/17/12 14:14	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/17/12 14:14	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/17/12 14:14	2
Chloroethane	ND		2.0	0.64	ug/L			11/17/12 14:14	2
Chloroform	**1.2**	**J**	2.0	0.68	ug/L			11/17/12 14:14	2
Chloromethane	ND		2.0	0.70	ug/L			11/17/12 14:14	2
cis-1,2-Dichloroethene	**2.5**		2.0	1.6	ug/L			11/17/12 14:14	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/17/12 14:14	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/17/12 14:14	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/17/12 14:14	2
Styrene	ND		2.0	1.5	ug/L			11/17/12 14:14	2
Tetrachloroethene	**14**		2.0	0.72	ug/L			11/17/12 14:14	2
Toluene	ND		2.0	1.0	ug/L			11/17/12 14:14	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/17/12 14:14	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/17/12 14:14	2
Trichloroethene	**100**		2.0	0.92	ug/L			11/17/12 14:14	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/17/12 14:14	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/17/12 14:14	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*128*		*66 - 137*		*11/17/12 14:14*	*2*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 14:14*	*2*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/17/12 14:14*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-6S 110612

Date Collected: 11/06/12 11:10
Date Received: 11/07/12 09:00

Lab Sample ID: 480-28077-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 05:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 05:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 05:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 05:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 05:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 05:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 05:00	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 05:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 05:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 05:00	1
Acetone	**5.4**	**J**	10	3.0	ug/L			11/17/12 05:00	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 05:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 05:00	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 05:00	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 05:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 05:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 05:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 05:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 05:00	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 05:00	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 05:00	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 05:00	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			11/17/12 05:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 05:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 05:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 05:00	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 05:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 05:00	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 05:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 05:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 05:00	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 05:00	1
Vinyl chloride	**2.0**		1.0	0.90	ug/L			11/17/12 05:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*66 - 137*		*11/17/12 05:00*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 05:00*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/17/12 05:00*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-19S 110612

Lab Sample ID: 480-28077-13

Date Collected: 11/06/12 11:30
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 05:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 05:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 05:24	1
1,1-Dichloroethane	**0.62**	**J**	1.0	0.38	ug/L			11/17/12 05:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 05:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 05:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 05:24	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 05:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 05:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 05:24	1
Acetone	**5.6**	**J**	10	3.0	ug/L			11/17/12 05:24	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 05:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 05:24	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 05:24	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 05:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 05:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 05:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 05:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 05:24	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 05:24	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 05:24	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 05:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 05:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 05:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 05:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 05:24	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 05:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 05:24	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 05:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 05:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 05:24	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 05:24	1
Vinyl chloride	**21**		1.0	0.90	ug/L			11/17/12 05:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*11/17/12 05:24*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*11/17/12 05:24*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/17/12 05:24*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-19D 110612

Lab Sample ID: 480-28077-14

Date Collected: 11/06/12 11:35
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 05:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 05:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 05:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 05:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 05:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 05:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 05:48	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 05:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 05:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 05:48	1
Acetone	**3.4**	**J**	10	3.0	ug/L			11/17/12 05:48	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 05:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 05:48	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 05:48	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 05:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 05:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 05:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 05:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 05:48	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 05:48	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 05:48	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 05:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 05:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 05:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 05:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 05:48	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 05:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 05:48	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 05:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 05:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 05:48	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 05:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 05:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*134*		*66 - 137*		*11/17/12 05:48*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*11/17/12 05:48*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*11/17/12 05:48*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: PMW-2D 110612

Lab Sample ID: 480-28077-15

Date Collected: 11/06/12 13:25
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 14:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 14:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 14:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 14:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 14:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 14:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 14:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 14:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 14:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 14:38	1
Acetone	**12**		10	3.0	ug/L			11/17/12 14:38	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 14:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 14:38	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 14:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 14:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 14:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 14:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 14:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 14:38	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 14:38	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 14:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 14:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 14:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 14:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 14:38	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 14:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 14:38	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 14:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 14:38	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 14:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*66 - 137*		*11/17/12 14:38*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 14:38*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/17/12 14:38*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-11S 110612

Lab Sample ID: 480-28077-16

Date Collected: 11/06/12 13:55
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 15:02	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			11/17/12 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 15:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 15:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 15:02	1
Acetone	**3.2**	**J**	10	3.0	ug/L			11/17/12 15:02	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 15:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 15:02	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 15:02	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 15:02	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 15:02	1
cis-1,2-Dichloroethene	**35**		1.0	0.81	ug/L			11/17/12 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 15:02	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 15:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 15:02	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 15:02	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 15:02	1
Vinyl chloride	**54**		1.0	0.90	ug/L			11/17/12 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/17/12 15:02*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/17/12 15:02*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/17/12 15:02*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-11D 110612

Lab Sample ID: 480-28077-17

Date Collected: 11/06/12 14:00
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 06:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 06:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 06:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 06:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 06:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 06:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 06:12	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 06:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 06:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 06:12	1
Acetone	**4.8**	**J**	10	3.0	ug/L			11/17/12 06:12	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 06:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 06:12	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 06:12	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 06:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 06:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 06:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 06:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 06:12	1
Chloroethane	**0.44**	**J**	1.0	0.32	ug/L			11/17/12 06:12	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 06:12	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 06:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 06:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 06:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 06:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 06:12	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 06:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 06:12	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 06:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 06:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 06:12	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 06:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 06:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*11/17/12 06:12*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 06:12*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/17/12 06:12*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: ADW-101 110612

Lab Sample ID: 480-28077-18

Date Collected: 11/06/12 00:00
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 15:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 15:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 15:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 15:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 15:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 15:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 15:26	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 15:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 15:26	1
Acetone	**5.8**	**J**	10	3.0	ug/L			11/17/12 15:26	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 15:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 15:26	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 15:26	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 15:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 15:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 15:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 15:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 15:26	1
Chloroethane	**0.47**	**J**	1.0	0.32	ug/L			11/17/12 15:26	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 15:26	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 15:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 15:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 15:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 15:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 15:26	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 15:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 15:26	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 15:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 15:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 15:26	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 15:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 15:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*66 - 137*		*11/17/12 15:26*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 15:26*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/17/12 15:26*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: PMW-4D 110612

Lab Sample ID: 480-28077-19

Date Collected: 11/06/12 14:15
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 15:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 15:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 15:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 15:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 15:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 15:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 15:50	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 15:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 15:50	1
Acetone	**5.1**	**J**	10	3.0	ug/L			11/17/12 15:50	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 15:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 15:50	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 15:50	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 15:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 15:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 15:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 15:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 15:50	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 15:50	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 15:50	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 15:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 15:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 15:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 15:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 15:50	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 15:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 15:50	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 15:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 15:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 15:50	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 15:50	1
Vinyl chloride	**6.6**		1.0	0.90	ug/L			11/17/12 15:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*66 - 137*		*11/17/12 15:50*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/17/12 15:50*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/17/12 15:50*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-13P 110612

Lab Sample ID: 480-28077-20

Date Collected: 11/06/12 14:20
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 16:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 16:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 16:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 16:18	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 16:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 16:18	1
Acetone	**6.6**	**J**	10	3.0	ug/L			11/17/12 16:18	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 16:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 16:18	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 16:18	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 16:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 16:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 16:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 16:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 16:18	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 16:18	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 16:18	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 16:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 16:18	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 16:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 16:18	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 16:18	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 16:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*66 - 137*		*11/17/12 16:18*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/17/12 16:18*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/17/12 16:18*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-13S 110612

Lab Sample ID: 480-28077-21

Date Collected: 11/06/12 14:25
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 16:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 16:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 16:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 16:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 16:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 16:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 16:42	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 16:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 16:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 16:42	1
Acetone	**5.8**	**J**	10	3.0	ug/L			11/17/12 16:42	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 16:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 16:42	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 16:42	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 16:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 16:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 16:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 16:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 16:42	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 16:42	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 16:42	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 16:42	1
cis-1,2-Dichloroethene	**36**		1.0	0.81	ug/L			11/17/12 16:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 16:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 16:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 16:42	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 16:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 16:42	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 16:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 16:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 16:42	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 16:42	1
Vinyl chloride	**3.6**		1.0	0.90	ug/L			11/17/12 16:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*11/17/12 16:42*	*1*
Toluene-d8 (Surr)	*116*		*71 - 126*		*11/17/12 16:42*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*11/17/12 16:42*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-9S 110612

Lab Sample ID: 480-28077-22

Date Collected: 11/06/12 15:20
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 17:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 17:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 17:06	1
1,1-Dichloroethane	**2.1**		1.0	0.38	ug/L			11/17/12 17:06	1
1,1-Dichloroethene	**2.4**		1.0	0.29	ug/L			11/17/12 17:06	1
1,2-Dichloroethane	**0.22**	**J**	1.0	0.21	ug/L			11/17/12 17:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 17:06	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 17:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 17:06	1
Acetone	**7.3**	**J**	10	3.0	ug/L			11/17/12 17:06	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 17:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 17:06	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 17:06	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 17:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 17:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 17:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 17:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 17:06	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 17:06	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 17:06	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 17:06	1
cis-1,2-Dichloroethene	**88**		1.0	0.81	ug/L			11/17/12 17:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 17:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 17:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 17:06	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 17:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 17:06	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 17:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 17:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 17:06	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 17:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*66 - 137*		*11/17/12 17:06*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 17:06*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/17/12 17:06*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**250**		5.0	4.5	ug/L			11/18/12 22:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*		*11/18/12 22:34*	*5*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/18/12 22:34*	*5*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/18/12 22:34*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-9D 110612

Lab Sample ID: 480-28077-23

Date Collected: 11/06/12 15:25
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 17:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 17:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 17:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 17:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 17:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 17:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 17:30	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 17:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 17:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 17:30	1
Acetone	**4.9**	**J**	10	3.0	ug/L			11/17/12 17:30	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 17:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 17:30	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 17:30	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 17:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 17:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 17:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 17:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 17:30	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 17:30	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 17:30	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 17:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 17:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 17:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 17:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 17:30	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 17:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 17:30	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 17:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 17:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 17:30	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 17:30	1
Vinyl chloride	**22**		1.0	0.90	ug/L			11/17/12 17:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*66 - 137*		*11/17/12 17:30*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/17/12 17:30*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/17/12 17:30*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-12P 110612

Lab Sample ID: 480-28077-24

Date Collected: 11/06/12 16:10

Matrix: Water

Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**4.7**		1.0	0.82	ug/L			11/17/12 18:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 18:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 18:41	1
1,1-Dichloroethane	**2.4**		1.0	0.38	ug/L			11/17/12 18:41	1
1,1-Dichloroethene	**0.34**	**J**	1.0	0.29	ug/L			11/17/12 18:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 18:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 18:41	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 18:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 18:41	1
Acetone	**5.5**	**J**	10	3.0	ug/L			11/17/12 18:41	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 18:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 18:41	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 18:41	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 18:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 18:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 18:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 18:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 18:41	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 18:41	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 18:41	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 18:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 18:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 18:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 18:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 18:41	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 18:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 18:41	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 18:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 18:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 18:41	1
Trichloroethene	**5.1**		1.0	0.46	ug/L			11/17/12 18:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 18:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*11/17/12 18:41*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 18:41*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/17/12 18:41*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-11P 110612

Lab Sample ID: 480-28077-25

Date Collected: 11/06/12 16:15
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/17/12 19:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 19:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 19:05	1
1,1-Dichloroethane	**2.6**		1.0	0.38	ug/L			11/17/12 19:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 19:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 19:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 19:05	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 19:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 19:05	1
Acetone	**3.7**	**J**	10	3.0	ug/L			11/17/12 19:05	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 19:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 19:05	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 19:05	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 19:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 19:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 19:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 19:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 19:05	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 19:05	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 19:05	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 19:05	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.81	ug/L			11/17/12 19:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 19:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 19:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 19:05	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 19:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 19:05	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 19:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 19:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 19:05	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 19:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 19:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*11/17/12 19:05*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/17/12 19:05*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/17/12 19:05*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-11S 110612

Lab Sample ID: 480-28077-26

Date Collected: 11/06/12 16:20
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.4**		1.0	0.82	ug/L			11/17/12 19:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 19:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 19:29	1
1,1-Dichloroethane	**31**		1.0	0.38	ug/L			11/17/12 19:29	1
1,1-Dichloroethene	**3.7**		1.0	0.29	ug/L			11/17/12 19:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 19:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 19:29	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 19:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 19:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 19:29	1
Acetone	**4.7**	**J**	10	3.0	ug/L			11/17/12 19:29	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 19:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 19:29	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 19:29	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 19:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 19:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 19:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 19:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 19:29	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 19:29	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 19:29	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 19:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 19:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 19:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 19:29	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 19:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 19:29	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 19:29	1
trans-1,2-Dichloroethene	**5.6**		1.0	0.90	ug/L			11/17/12 19:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 19:29	1
Trichloroethene	**36**		1.0	0.46	ug/L			11/17/12 19:29	1
Vinyl chloride	**5.4**		1.0	0.90	ug/L			11/17/12 19:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/17/12 19:29*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/17/12 19:29*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/17/12 19:29*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**280**		5.0	4.1	ug/L			11/18/12 22:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/18/12 22:58*	*5*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/18/12 22:58*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/18/12 22:58*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-11D 110612

Lab Sample ID: 480-28077-27

Date Collected: 11/06/12 16:25
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.99**	**J**	1.0	0.82	ug/L			11/17/12 19:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 19:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 19:52	1
1,1-Dichloroethane	**32**		1.0	0.38	ug/L			11/17/12 19:52	1
1,1-Dichloroethene	**4.1**		1.0	0.29	ug/L			11/17/12 19:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 19:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 19:52	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 19:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 19:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 19:52	1
Acetone	**4.4**	**J**	10	3.0	ug/L			11/17/12 19:52	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 19:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/17/12 19:52	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 19:52	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 19:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 19:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 19:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 19:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 19:52	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 19:52	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 19:52	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 19:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 19:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 19:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/12 19:52	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 19:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 19:52	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 19:52	1
trans-1,2-Dichloroethene	**6.0**		1.0	0.90	ug/L			11/17/12 19:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 19:52	1
Trichloroethene	**24**		1.0	0.46	ug/L			11/17/12 19:52	1
Vinyl chloride	**5.9**		1.0	0.90	ug/L			11/17/12 19:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/17/12 19:52*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/17/12 19:52*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/17/12 19:52*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**270**		5.0	4.1	ug/L			11/18/12 23:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*11/18/12 23:22*	*5*
Toluene-d8 (Surr)	*116*		*71 - 126*		*11/18/12 23:22*	*5*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/18/12 23:22*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-13P 110612

Lab Sample ID: 480-28077-28

Date Collected: 11/06/12 16:30
Matrix: Water
Date Received: 11/07/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/12 23:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/18/12 23:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/12 23:45	1
1,1-Dichloroethane	**4.3**		1.0	0.38	ug/L			11/18/12 23:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/12 23:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/12 23:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/12 23:45	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/12 23:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/12 23:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/12 23:45	1
Acetone	**4.2**	**J**	10	3.0	ug/L			11/18/12 23:45	1
Benzene	ND		1.0	0.41	ug/L			11/18/12 23:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/12 23:45	1
Bromoform	ND		1.0	0.26	ug/L			11/18/12 23:45	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/12 23:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/12 23:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/12 23:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/12 23:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/12 23:45	1
Chloroethane	ND		1.0	0.32	ug/L			11/18/12 23:45	1
Chloroform	ND		1.0	0.34	ug/L			11/18/12 23:45	1
Chloromethane	ND		1.0	0.35	ug/L			11/18/12 23:45	1
cis-1,2-Dichloroethene	**2.3**		1.0	0.81	ug/L			11/18/12 23:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/12 23:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/12 23:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/12 23:45	1
Styrene	ND		1.0	0.73	ug/L			11/18/12 23:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/12 23:45	1
Toluene	ND		1.0	0.51	ug/L			11/18/12 23:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/12 23:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/12 23:45	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/12 23:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/18/12 23:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/12 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*11/18/12 23:45*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/18/12 23:45*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/18/12 23:45*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-28077-1	TRIP BLANK 110612	122	114	111
480-28077-8	TMW-1P 110612	124	115	109
480-28077-11	ADW-100 110612	128	113	109

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-28077-2	PMW-3P 110612	125	116	111
480-28077-3	PMW-3S 110612	123	112	108
480-28077-4	PMW-3D 110612	122	114	107
480-28077-5	OSMW-10P 110612	124	114	108
480-28077-6	OSMW-10S 110612	124	112	110
480-28077-6 - DL	OSMW-10S 110612	126	114	109
480-28077-7	OSMW-10D 110612	126	113	112
480-28077-9	AF-4P 110612	126	113	111
480-28077-10	AF-4S 110612	127	113	111
480-28077-12	AF-6S 110612	127	114	111
480-28077-13	AF-19S 110612	123	115	109
480-28077-14	AF-19D 110612	134	115	113
480-28077-15	PMW-2D 110612	125	113	110
480-28077-16	AF-11S 110612	122	112	108
480-28077-17	AF-11D 110612	126	113	108
480-28077-17 MS	AF-11D 110612	119	114	110
480-28077-17 MSD	AF-11D 110612	121	113	111
480-28077-18	ADW-101 110612	127	114	107
480-28077-19	PMW-4D 110612	127	112	107
480-28077-20	AF-13P 110612	127	111	108
480-28077-21	AF-13S 110612	126	116	112
480-28077-22	OSMW-9S 110612	127	113	108
480-28077-22 - DL	OSMW-9S 110612	120	114	108
480-28077-23	OSMW-9D 110612	125	112	109
480-28077-23 MS	OSMW-9D 110612	120	117	110
480-28077-23 MSD	OSMW-9D 110612	119	116	113
480-28077-24	OSMW-12P 110612	124	114	110
480-28077-25	OSMW-11P 110612	126	112	109
480-28077-26	OSMW-11S 110612	121	113	111
480-28077-26 - DL	OSMW-11S 110612	122	112	106
480-28077-27	OSMW-11D 110612	122	114	106
480-28077-27 - DL	OSMW-11D 110612	118	116	111
480-28077-28	OSMW-13P 110612	124	113	105
LCS 480-91508/4	Lab Control Sample	116	116	110

Surrogate Summary

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
		12DCE	TOL	BFB					
Lab Sample ID	**Client Sample ID**	**(66-137)**	**(71-126)**	**(73-120)**					
LCS 480-91573/4	Lab Control Sample	122	115	111					
LCS 480-91655/4	Lab Control Sample	116	118	112					
MB 480-91508/5	Method Blank	124	115	109					
MB 480-91573/5	Method Blank	123	115	111					
MB 480-91655/5	Method Blank	121	114	109					

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-91508/5
Matrix: Water
Analysis Batch: 91508

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			11/16/12 23:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/16/12 23:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/16/12 23:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/16/12 23:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/16/12 23:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/16/12 23:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/16/12 23:20	1
2-Hexanone	ND		5.0	1.2	ug/L			11/16/12 23:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/16/12 23:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/16/12 23:20	1
Acetone	ND		10	3.0	ug/L			11/16/12 23:20	1
Benzene	ND		1.0	0.41	ug/L			11/16/12 23:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/16/12 23:20	1
Bromoform	ND		1.0	0.26	ug/L			11/16/12 23:20	1
Bromomethane	ND		1.0	0.69	ug/L			11/16/12 23:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/16/12 23:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/16/12 23:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/16/12 23:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/16/12 23:20	1
Chloroethane	ND		1.0	0.32	ug/L			11/16/12 23:20	1
Chloroform	ND		1.0	0.34	ug/L			11/16/12 23:20	1
Chloromethane	ND		1.0	0.35	ug/L			11/16/12 23:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/16/12 23:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/16/12 23:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/16/12 23:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/16/12 23:20	1
Styrene	ND		1.0	0.73	ug/L			11/16/12 23:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/16/12 23:20	1
Toluene	ND		1.0	0.51	ug/L			11/16/12 23:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/16/12 23:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/16/12 23:20	1
Trichloroethene	ND		1.0	0.46	ug/L			11/16/12 23:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/16/12 23:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/16/12 23:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*11/16/12 23:20*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*11/16/12 23:20*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/16/12 23:20*	*1*

Lab Sample ID: LCS 480-91508/4
Matrix: Water
Analysis Batch: 91508

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	26.6		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	70 - 126
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122

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

Lab Sample ID: LCS 480-91508/4
Matrix: Water
Analysis Batch: 91508

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	23.1		ug/L		92	71 - 129
1,1-Dichloroethene	25.0	22.3		ug/L		89	58 - 121
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 127
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120
2-Hexanone	125	150		ug/L		120	65 - 127
2-Butanone (MEK)	125	139		ug/L		111	57 - 140
4-Methyl-2-pentanone (MIBK)	125	150		ug/L		120	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	24.1		ug/L		96	66 - 128
Bromomethane	25.0	26.4		ug/L		106	55 - 144
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	28.3		ug/L		113	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	72 - 120
Dibromochloromethane	25.0	25.3		ug/L		101	75 - 125
Chloroethane	25.0	26.5		ug/L		106	69 - 136
Chloroform	25.0	23.2		ug/L		93	73 - 127
Chloromethane	25.0	23.4		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Methylene Chloride	25.0	19.5		ug/L		78	57 - 132
Styrene	25.0	24.4		ug/L		98	70 - 130
Tetrachloroethene	25.0	23.4		ug/L		94	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	21.4		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	72 - 123
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Vinyl chloride	25.0	24.2		ug/L		97	65 - 133
Xylenes, Total	75.0	72.2		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*
Toluene-d8 (Surr)	*116*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: 480-28077-17 MS
Matrix: Water
Analysis Batch: 91508

Client Sample ID: AF-11D 110612
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	33.5	F	ug/L		134	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	25.6		ug/L		102	70 - 126
1,1,2-Trichloroethane	ND		25.0	26.3		ug/L		105	76 - 122
1,1-Dichloroethane	ND		25.0	27.3		ug/L		109	71 - 129
1,1-Dichloroethene	ND		25.0	27.8		ug/L		111	58 - 121
1,2-Dichloroethane	ND		25.0	27.1		ug/L		108	75 - 127

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

Lab Sample ID: 480-28077-17 MS
Matrix: Water
Analysis Batch: 91508

Client Sample ID: AF-11D 110612
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	ND		25.0	27.8		ug/L		111	76 - 120
2-Hexanone	ND		125	147		ug/L		118	65 - 127
2-Butanone (MEK)	ND		125	135		ug/L		108	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	148		ug/L		118	71 - 125
Acetone	4.8	J	125	115		ug/L		89	56 - 142
Benzene	ND		25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	ND		25.0	27.6		ug/L		110	80 - 122
Bromoform	ND		25.0	25.7		ug/L		103	66 - 128
Bromomethane	ND		25.0	36.9	F	ug/L		148	55 - 144
Carbon disulfide	ND		25.0	26.6		ug/L		107	59 - 134
Carbon tetrachloride	ND		25.0	35.6	F	ug/L		143	72 - 134
Chlorobenzene	ND		25.0	27.3		ug/L		109	72 - 120
Dibromochloromethane	ND		25.0	26.1		ug/L		104	75 - 125
Chloroethane	0.44	J	25.0	35.1	F	ug/L		138	69 - 136
Chloroform	ND		25.0	26.5		ug/L		106	73 - 127
Chloromethane	ND		25.0	26.8		ug/L		107	68 - 124
cis-1,2-Dichloroethene	ND		25.0	26.8		ug/L		107	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.4		ug/L		106	74 - 124
Ethylbenzene	ND		25.0	28.9		ug/L		116	77 - 123
Methylene Chloride	ND		25.0	22.9		ug/L		91	57 - 132
Styrene	ND		25.0	27.6		ug/L		110	70 - 130
Tetrachloroethene	ND		25.0	28.7		ug/L		115	74 - 122
Toluene	ND		25.0	28.1		ug/L		112	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.6		ug/L		103	73 - 127
trans-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	72 - 123
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123
Vinyl chloride	ND		25.0	31.2		ug/L		125	65 - 133
Xylenes, Total	ND		75.0	82.7		ug/L		110	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*
Toluene-d8 (Surr)	*114*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: 480-28077-17 MSD
Matrix: Water
Analysis Batch: 91508

Client Sample ID: AF-11D 110612
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	35.2	F	ug/L		141	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.9		ug/L		104	70 - 126	1	15
1,1,2-Trichloroethane	ND		25.0	26.8		ug/L		107	76 - 122	2	15
1,1-Dichloroethane	ND		25.0	27.8		ug/L		111	71 - 129	2	20
1,1-Dichloroethene	ND		25.0	28.2		ug/L		113	58 - 121	1	16
1,2-Dichloroethane	ND		25.0	28.2		ug/L		113	75 - 127	4	20
1,2-Dichloropropane	ND		25.0	28.4		ug/L		114	76 - 120	2	20
2-Hexanone	ND		125	144		ug/L		115	65 - 127	2	15
2-Butanone (MEK)	ND		125	134		ug/L		107	57 - 140	1	20

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

Lab Sample ID: 480-28077-17 MSD
Matrix: Water
Analysis Batch: 91508

Client Sample ID: AF-11D 110612
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		125	145		ug/L		116	71 - 125	2	35
Acetone	4.8	J	125	132		ug/L		102	56 - 142	13	15
Benzene	ND		25.0	27.8		ug/L		111	71 - 124	3	13
Bromodichloromethane	ND		25.0	28.2		ug/L		113	80 - 122	2	15
Bromoform	ND		25.0	25.3		ug/L		101	66 - 128	2	15
Bromomethane	ND		25.0	28.4	F	ug/L		114	55 - 144	26	15
Carbon disulfide	ND		25.0	27.4		ug/L		110	59 - 134	3	15
Carbon tetrachloride	ND		25.0	37.1	F	ug/L		149	72 - 134	4	15
Chlorobenzene	ND		25.0	27.6		ug/L		110	72 - 120	1	25
Dibromochloromethane	ND		25.0	26.7		ug/L		107	75 - 125	3	15
Chloroethane	0.44	J	25.0	32.0		ug/L		126	69 - 136	9	15
Chloroform	ND		25.0	27.3		ug/L		109	73 - 127	3	20
Chloromethane	ND		25.0	26.1		ug/L		104	68 - 124	3	15
cis-1,2-Dichloroethene	ND		25.0	27.0		ug/L		108	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	27.9		ug/L		112	74 - 124	5	15
Ethylbenzene	ND		25.0	28.4		ug/L		113	77 - 123	2	15
Methylene Chloride	ND		25.0	23.1		ug/L		92	57 - 132	1	15
Styrene	ND		25.0	27.8		ug/L		111	70 - 130	1	20
Tetrachloroethene	ND		25.0	28.4		ug/L		114	74 - 122	1	20
Toluene	ND		25.0	28.2		ug/L		113	80 - 122	0	15
trans-1,2-Dichloroethene	ND		25.0	26.6		ug/L		106	73 - 127	4	20
trans-1,3-Dichloropropene	ND		25.0	27.1		ug/L		108	72 - 123	0	15
Trichloroethene	ND		25.0	28.0		ug/L		112	74 - 123	3	16
Vinyl chloride	ND		25.0	30.3		ug/L		121	65 - 133	3	15
Xylenes, Total	ND		75.0	84.0		ug/L		112	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*
Toluene-d8 (Surr)	*113*		*71 - 126*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*

Lab Sample ID: MB 480-91573/5
Matrix: Water
Analysis Batch: 91573

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			11/17/12 11:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/12 11:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/17/12 11:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/17/12 11:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/17/12 11:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/17/12 11:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/17/12 11:13	1
2-Hexanone	ND		5.0	1.2	ug/L			11/17/12 11:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/17/12 11:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/17/12 11:13	1
Acetone	ND		10	3.0	ug/L			11/17/12 11:13	1
Benzene	ND		1.0	0.41	ug/L			11/17/12 11:13	1

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

Lab Sample ID: MB 480-91573/5
Matrix: Water
Analysis Batch: 91573

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			11/17/12 11:13	1
Bromoform	ND		1.0	0.26	ug/L			11/17/12 11:13	1
Bromomethane	ND		1.0	0.69	ug/L			11/17/12 11:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/17/12 11:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/17/12 11:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/17/12 11:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/17/12 11:13	1
Chloroethane	ND		1.0	0.32	ug/L			11/17/12 11:13	1
Chloroform	ND		1.0	0.34	ug/L			11/17/12 11:13	1
Chloromethane	ND		1.0	0.35	ug/L			11/17/12 11:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/12 11:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/17/12 11:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/12 11:13	1
Methylene Chloride	0.738	J	1.0	0.44	ug/L			11/17/12 11:13	1
Styrene	ND		1.0	0.73	ug/L			11/17/12 11:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/12 11:13	1
Toluene	ND		1.0	0.51	ug/L			11/17/12 11:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/12 11:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/17/12 11:13	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/12 11:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/17/12 11:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/12 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*11/17/12 11:13*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*11/17/12 11:13*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*11/17/12 11:13*	*1*

Lab Sample ID: LCS 480-91573/4
Matrix: Water
Analysis Batch: 91573

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	28.9		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	70 - 126
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.3		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	23.9		ug/L		95	58 - 121
1,2-Dichloroethane	25.0	25.9		ug/L		104	75 - 127
1,2-Dichloropropane	25.0	26.1		ug/L		105	76 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
4-Methyl-2-pentanone (MIBK)	125	139		ug/L		111	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		101	80 - 122
Bromoform	25.0	23.1		ug/L		92	66 - 128
Bromomethane	25.0	24.7		ug/L		99	55 - 144

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

Lab Sample ID: LCS 480-91573/4
Matrix: Water
Analysis Batch: 91573

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide	25.0	25.4		ug/L		102	59 - 134
Carbon tetrachloride	25.0	31.8		ug/L		127	72 - 134
Chlorobenzene	25.0	24.8		ug/L		99	72 - 120
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Chloroethane	25.0	23.1		ug/L		93	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	21.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
Methylene Chloride	25.0	21.9		ug/L		88	57 - 132
Styrene	25.0	25.7		ug/L		103	70 - 130
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	25.5		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	23.0		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	27.4		ug/L		109	72 - 123
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133
Xylenes, Total	75.0	75.9		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*
Toluene-d8 (Surr)	*115*		*71 - 126*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*

Lab Sample ID: 480-28077-23 MS
Matrix: Water
Analysis Batch: 91573

Client Sample ID: OSMW-9D 110612
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	26.9		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.5		ug/L		94	70 - 126
1,1,2-Trichloroethane	ND		25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	ND		25.0	21.8		ug/L		87	71 - 129
1,1-Dichloroethene	ND		25.0	20.8		ug/L		83	58 - 121
1,2-Dichloroethane	ND		25.0	24.2		ug/L		97	75 - 127
1,2-Dichloropropane	ND		25.0	23.3		ug/L		93	76 - 120
2-Hexanone	ND		125	133		ug/L		106	65 - 127
2-Butanone (MEK)	ND		125	117		ug/L		94	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	131		ug/L		105	71 - 125
Acetone	4.9	J	125	102		ug/L		78	56 - 142
Benzene	ND		25.0	22.0		ug/L		88	71 - 124
Bromodichloromethane	ND		25.0	23.7		ug/L		95	80 - 122
Bromoform	ND		25.0	23.0		ug/L		92	66 - 128
Bromomethane	ND		25.0	22.8		ug/L		91	55 - 144
Carbon disulfide	ND		25.0	19.3		ug/L		77	59 - 134
Carbon tetrachloride	ND		25.0	28.0		ug/L		112	72 - 134
Chlorobenzene	ND		25.0	22.8		ug/L		91	72 - 120

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

Lab Sample ID: 480-28077-23 MS
Matrix: Water
Analysis Batch: 91573

Client Sample ID: OSMW-9D 110612
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	ND		25.0	23.2		ug/L		93	75 - 125
Chloroethane	ND		25.0	24.5		ug/L		98	69 - 136
Chloroform	ND		25.0	22.7		ug/L		91	73 - 127
Chloromethane	ND		25.0	20.0		ug/L		80	68 - 124
cis-1,2-Dichloroethene	ND		25.0	22.0		ug/L		88	74 - 124
cis-1,3-Dichloropropene	ND		25.0	22.6		ug/L		90	74 - 124
Ethylbenzene	ND		25.0	23.8		ug/L		95	77 - 123
Methylene Chloride	ND		25.0	18.3		ug/L		73	57 - 132
Styrene	ND		25.0	23.0		ug/L		92	70 - 130
Tetrachloroethene	ND		25.0	23.0		ug/L		92	74 - 122
Toluene	ND		25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	ND		25.0	20.2		ug/L		81	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.7		ug/L		95	72 - 123
Trichloroethene	ND		25.0	22.5		ug/L		90	74 - 123
Vinyl chloride	22		25.0	44.3		ug/L		91	65 - 133
Xylenes, Total	ND		75.0	70.4		ug/L		94	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*
Toluene-d8 (Surr)	*117*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: 480-28077-23 MSD
Matrix: Water
Analysis Batch: 91573

Client Sample ID: OSMW-9D 110612
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	31.7	F	ug/L		127	73 - 126	16	15
1,1,2,2-Tetrachloroethane	ND		25.0	24.1		ug/L		96	70 - 126	2	15
1,1,2-Trichloroethane	ND		25.0	25.6		ug/L		102	76 - 122	3	15
1,1-Dichloroethane	ND		25.0	24.6		ug/L		98	71 - 129	12	20
1,1-Dichloroethene	ND		25.0	24.7	F	ug/L		99	58 - 121	17	16
1,2-Dichloroethane	ND		25.0	26.1		ug/L		104	75 - 127	7	20
1,2-Dichloropropane	ND		25.0	25.9		ug/L		103	76 - 120	10	20
2-Hexanone	ND		125	128		ug/L		102	65 - 127	4	15
2-Butanone (MEK)	ND		125	115		ug/L		92	57 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		125	125		ug/L		100	71 - 125	5	35
Acetone	4.9	J	125	109		ug/L		83	56 - 142	7	15
Benzene	ND		25.0	25.1		ug/L		100	71 - 124	13	13
Bromodichloromethane	ND		25.0	25.9		ug/L		104	80 - 122	9	15
Bromoform	ND		25.0	24.1		ug/L		96	66 - 128	5	15
Bromomethane	ND		25.0	25.2		ug/L		101	55 - 144	10	15
Carbon disulfide	ND		25.0	15.6	F	ug/L		62	59 - 134	21	15
Carbon tetrachloride	ND		25.0	32.3		ug/L		129	72 - 134	14	15
Chlorobenzene	ND		25.0	26.2		ug/L		105	72 - 120	14	25
Dibromochloromethane	ND		25.0	25.3		ug/L		101	75 - 125	8	15
Chloroethane	ND		25.0	24.9		ug/L		100	69 - 136	1	15
Chloroform	ND		25.0	25.1		ug/L		101	73 - 127	10	20

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

Lab Sample ID: 480-28077-23 MSD — **Client Sample ID: OSMW-9D 110612**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 91573

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	ND		25.0	21.7		ug/L		87	68 - 124	8	15
cis-1,2-Dichloroethene	ND		25.0	24.4		ug/L		98	74 - 124	11	15
cis-1,3-Dichloropropene	ND		25.0	25.3		ug/L		101	74 - 124	11	15
Ethylbenzene	ND		25.0	27.0		ug/L		108	77 - 123	13	15
Methylene Chloride	ND		25.0	20.2		ug/L		81	57 - 132	10	15
Styrene	ND		25.0	26.2		ug/L		105	70 - 130	13	20
Tetrachloroethene	ND		25.0	26.7		ug/L		107	74 - 122	15	20
Toluene	ND		25.0	26.8		ug/L		107	80 - 122	13	15
trans-1,2-Dichloroethene	ND		25.0	23.3		ug/L		93	73 - 127	14	20
trans-1,3-Dichloropropene	ND		25.0	26.3		ug/L		105	72 - 123	10	15
Trichloroethene	ND		25.0	25.6		ug/L		103	74 - 123	13	16
Vinyl chloride	22		25.0	47.6		ug/L		104	65 - 133	7	15
Xylenes, Total	ND		75.0	78.2		ug/L		104	76 - 122	10	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*
Toluene-d8 (Surr)	*116*		*71 - 126*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*

Lab Sample ID: MB 480-91655/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 91655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/12 14:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/18/12 14:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/12 14:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/18/12 14:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/12 14:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/12 14:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/12 14:54	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/12 14:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/12 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/12 14:54	1
Acetone	ND		10	3.0	ug/L			11/18/12 14:54	1
Benzene	ND		1.0	0.41	ug/L			11/18/12 14:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/12 14:54	1
Bromoform	ND		1.0	0.26	ug/L			11/18/12 14:54	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/12 14:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/12 14:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/12 14:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/12 14:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/12 14:54	1
Chloroethane	ND		1.0	0.32	ug/L			11/18/12 14:54	1
Chloroform	ND		1.0	0.34	ug/L			11/18/12 14:54	1
Chloromethane	ND		1.0	0.35	ug/L			11/18/12 14:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/18/12 14:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/12 14:54	1

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

Lab Sample ID: MB 480-91655/5
Matrix: Water
Analysis Batch: 91655

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/12 14:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/12 14:54	1
Styrene	ND		1.0	0.73	ug/L			11/18/12 14:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/12 14:54	1
Toluene	ND		1.0	0.51	ug/L			11/18/12 14:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/12 14:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/12 14:54	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/12 14:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/18/12 14:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/12 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/18/12 14:54*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/18/12 14:54*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/18/12 14:54*	*1*

Lab Sample ID: LCS 480-91655/4
Matrix: Water
Analysis Batch: 91655

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	28.3		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	70 - 126
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	22.4		ug/L		90	71 - 129
1,1-Dichloroethene	25.0	22.6		ug/L		90	58 - 121
1,2-Dichloroethane	25.0	23.9		ug/L		95	75 - 127
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
2-Hexanone	125	134		ug/L		108	65 - 127
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	104		ug/L		83	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	26.9		ug/L		108	66 - 128
Bromomethane	25.0	32.2		ug/L		129	55 - 144
Carbon disulfide	25.0	22.1		ug/L		88	59 - 134
Carbon tetrachloride	25.0	30.9		ug/L		124	72 - 134
Chlorobenzene	25.0	24.1		ug/L		97	72 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	27.4		ug/L		109	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	19.1		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	22.5		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Methylene Chloride	25.0	19.7		ug/L		79	57 - 132
Styrene	25.0	24.2		ug/L		97	70 - 130

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

Lab Sample ID: LCS 480-91655/4
Matrix: Water
Analysis Batch: 91655

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	73 - 127
trans-1,3-Dichloropropene	25.0	26.6		ug/L		107	72 - 123
Trichloroethene	25.0	23.1		ug/L		92	74 - 123
Vinyl chloride	25.0	23.8		ug/L		95	65 - 133
Xylenes, Total	75.0	72.1		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*
Toluene-d8 (Surr)	*118*		*71 - 126*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*

QC Association Summary

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

GC/MS VOA

Analysis Batch: 91508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28077-1	TRIP BLANK 110612	Total/NA	Ground Water	8260B	
480-28077-2	PMW-3P 110612	Total/NA	Water	8260B	
480-28077-3	PMW-3S 110612	Total/NA	Water	8260B	
480-28077-4	PMW-3D 110612	Total/NA	Water	8260B	
480-28077-5	OSMW-10P 110612	Total/NA	Water	8260B	
480-28077-6	OSMW-10S 110612	Total/NA	Water	8260B	
480-28077-7	OSMW-10D 110612	Total/NA	Water	8260B	
480-28077-8	TMW-1P 110612	Total/NA	Ground Water	8260B	
480-28077-9	AF-4P 110612	Total/NA	Water	8260B	
480-28077-10	AF-4S 110612	Total/NA	Water	8260B	
480-28077-12	AF-6S 110612	Total/NA	Water	8260B	
480-28077-13	AF-19S 110612	Total/NA	Water	8260B	
480-28077-14	AF-19D 110612	Total/NA	Water	8260B	
480-28077-17	AF-11D 110612	Total/NA	Water	8260B	
480-28077-17 MS	AF-11D 110612	Total/NA	Water	8260B	
480-28077-17 MSD	AF-11D 110612	Total/NA	Water	8260B	
LCS 480-91508/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-91508/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 91573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28077-6 - DL	OSMW-10S 110612	Total/NA	Water	8260B	
480-28077-11	ADW-100 110612	Total/NA	Ground Water	8260B	
480-28077-15	PMW-2D 110612	Total/NA	Water	8260B	
480-28077-16	AF-11S 110612	Total/NA	Water	8260B	
480-28077-18	ADW-101 110612	Total/NA	Water	8260B	
480-28077-19	PMW-4D 110612	Total/NA	Water	8260B	
480-28077-20	AF-13P 110612	Total/NA	Water	8260B	
480-28077-21	AF-13S 110612	Total/NA	Water	8260B	
480-28077-22	OSMW-9S 110612	Total/NA	Water	8260B	
480-28077-23	OSMW-9D 110612	Total/NA	Water	8260B	
480-28077-23 MS	OSMW-9D 110612	Total/NA	Water	8260B	
480-28077-23 MSD	OSMW-9D 110612	Total/NA	Water	8260B	
480-28077-24	OSMW-12P 110612	Total/NA	Water	8260B	
480-28077-25	OSMW-11P 110612	Total/NA	Water	8260B	
480-28077-26	OSMW-11S 110612	Total/NA	Water	8260B	
480-28077-27	OSMW-11D 110612	Total/NA	Water	8260B	
LCS 480-91573/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-91573/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 91655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28077-22 - DL	OSMW-9S 110612	Total/NA	Water	8260B	
480-28077-26 - DL	OSMW-11S 110612	Total/NA	Water	8260B	
480-28077-27 - DL	OSMW-11D 110612	Total/NA	Water	8260B	
480-28077-28	OSMW-13P 110612	Total/NA	Water	8260B	
LCS 480-91655/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-91655/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: TRIP BLANK 110612

Lab Sample ID: 480-28077-1
Date Collected: 11/06/12 00:00
Matrix: Ground Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 00:39	TRF	TAL BUF

Client Sample ID: PMW-3P 110612

Lab Sample ID: 480-28077-2
Date Collected: 11/06/12 08:50
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	91508	11/17/12 01:02	TRF	TAL BUF

Client Sample ID: PMW-3S 110612

Lab Sample ID: 480-28077-3
Date Collected: 11/06/12 08:50
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	91508	11/17/12 01:26	TRF	TAL BUF

Client Sample ID: PMW-3D 110612

Lab Sample ID: 480-28077-4
Date Collected: 11/06/12 09:00
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	91508	11/17/12 01:50	TRF	TAL BUF

Client Sample ID: OSMW-10P 110612

Lab Sample ID: 480-28077-5
Date Collected: 11/06/12 09:15
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	91508	11/17/12 02:14	TRF	TAL BUF

Client Sample ID: OSMW-10S 110612

Lab Sample ID: 480-28077-6
Date Collected: 11/06/12 09:20
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 02:38	TRF	TAL BUF
Total/NA	Analysis	8260B	DL	4	91573	11/17/12 13:50	RL	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-10D 110612

Lab Sample ID: 480-28077-7
Date Collected: 11/06/12 09:25
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 03:02	TRF	TAL BUF

Client Sample ID: TMW-1P 110612

Lab Sample ID: 480-28077-8
Date Collected: 11/06/12 10:20
Matrix: Ground Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	91508	11/17/12 03:25	TRF	TAL BUF

Client Sample ID: AF-4P 110612

Lab Sample ID: 480-28077-9
Date Collected: 11/06/12 10:35
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	91508	11/17/12 03:49	TRF	TAL BUF

Client Sample ID: AF-4S 110612

Lab Sample ID: 480-28077-10
Date Collected: 11/06/12 10:40
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 04:13	TRF	TAL BUF

Client Sample ID: ADW-100 110612

Lab Sample ID: 480-28077-11
Date Collected: 11/06/12 00:00
Matrix: Ground Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	91573	11/17/12 14:14	RL	TAL BUF

Client Sample ID: AF-6S 110612

Lab Sample ID: 480-28077-12
Date Collected: 11/06/12 11:10
Matrix: Water
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 05:00	TRF	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: AF-19S 110612 — Lab Sample ID: 480-28077-13

Date Collected: 11/06/12 11:30 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 05:24	TRF	TAL BUF

Client Sample ID: AF-19D 110612 — Lab Sample ID: 480-28077-14

Date Collected: 11/06/12 11:35 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 05:48	TRF	TAL BUF

Client Sample ID: PMW-2D 110612 — Lab Sample ID: 480-28077-15

Date Collected: 11/06/12 13:25 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 14:38	RL	TAL BUF

Client Sample ID: AF-11S 110612 — Lab Sample ID: 480-28077-16

Date Collected: 11/06/12 13:55 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 15:02	RL	TAL BUF

Client Sample ID: AF-11D 110612 — Lab Sample ID: 480-28077-17

Date Collected: 11/06/12 14:00 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91508	11/17/12 06:12	TRF	TAL BUF

Client Sample ID: ADW-101 110612 — Lab Sample ID: 480-28077-18

Date Collected: 11/06/12 00:00 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 15:26	RL	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: PMW-4D 110612 — Lab Sample ID: 480-28077-19

Date Collected: 11/06/12 14:15 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 15:50	RL	TAL BUF

Client Sample ID: AF-13P 110612 — Lab Sample ID: 480-28077-20

Date Collected: 11/06/12 14:20 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 16:18	RL	TAL BUF

Client Sample ID: AF-13S 110612 — Lab Sample ID: 480-28077-21

Date Collected: 11/06/12 14:25 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 16:42	RL	TAL BUF

Client Sample ID: OSMW-9S 110612 — Lab Sample ID: 480-28077-22

Date Collected: 11/06/12 15:20 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 17:06	RL	TAL BUF
Total/NA	Analysis	8260B	DL	5	91655	11/18/12 22:34	LH	TAL BUF

Client Sample ID: OSMW-9D 110612 — Lab Sample ID: 480-28077-23

Date Collected: 11/06/12 15:25 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 17:30	RL	TAL BUF

Client Sample ID: OSMW-12P 110612 — Lab Sample ID: 480-28077-24

Date Collected: 11/06/12 16:10 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 18:41	RL	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Client Sample ID: OSMW-11P 110612 — Lab Sample ID: 480-28077-25

Date Collected: 11/06/12 16:15 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 19:05	RL	TAL BUF

Client Sample ID: OSMW-11S 110612 — Lab Sample ID: 480-28077-26

Date Collected: 11/06/12 16:20 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 19:29	RL	TAL BUF
Total/NA	Analysis	8260B	DL	5	91655	11/18/12 22:58	LH	TAL BUF

Client Sample ID: OSMW-11D 110612 — Lab Sample ID: 480-28077-27

Date Collected: 11/06/12 16:25 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91573	11/17/12 19:52	RL	TAL BUF
Total/NA	Analysis	8260B	DL	5	91655	11/18/12 23:22	LH	TAL BUF

Client Sample ID: OSMW-13P 110612 — Lab Sample ID: 480-28077-28

Date Collected: 11/06/12 16:30 — **Matrix: Water**
Date Received: 11/07/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91655	11/18/12 23:45	LH	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 Project

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

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	07-06-13
California	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-13
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

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

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (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 Project

TestAmerica Job ID: 480-28077-1
SDG: 480-28077

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28077-1	TRIP BLANK 110612	Ground Water	11/06/12 00:00	11/07/12 09:00
480-28077-2	PMW-3P 110612	Water	11/06/12 08:50	11/07/12 09:00
480-28077-3	PMW-3S 110612	Water	11/06/12 08:50	11/07/12 09:00
480-28077-4	PMW-3D 110612	Water	11/06/12 09:00	11/07/12 09:00
480-28077-5	OSMW-10P 110612	Water	11/06/12 09:15	11/07/12 09:00
480-28077-6	OSMW-10S 110612	Water	11/06/12 09:20	11/07/12 09:00
480-28077-7	OSMW-10D 110612	Water	11/06/12 09:25	11/07/12 09:00
480-28077-8	TMW-1P 110612	Ground Water	11/06/12 10:20	11/07/12 09:00
480-28077-9	AF-4P 110612	Water	11/06/12 10:35	11/07/12 09:00
480-28077-10	AF-4S 110612	Water	11/06/12 10:40	11/07/12 09:00
480-28077-11	ADW-100 110612	Ground Water	11/06/12 00:00	11/07/12 09:00
480-28077-12	AF-6S 110612	Water	11/06/12 11:10	11/07/12 09:00
480-28077-13	AF-19S 110612	Water	11/06/12 11:30	11/07/12 09:00
480-28077-14	AF-19D 110612	Water	11/06/12 11:35	11/07/12 09:00
480-28077-15	PMW-2D 110612	Water	11/06/12 13:25	11/07/12 09:00
480-28077-16	AF-11S 110612	Water	11/06/12 13:55	11/07/12 09:00
480-28077-17	AF-11D 110612	Water	11/06/12 14:00	11/07/12 09:00
480-28077-18	ADW-101 110612	Water	11/06/12 00:00	11/07/12 09:00
480-28077-19	PMW-4D 110612	Water	11/06/12 14:15	11/07/12 09:00
480-28077-20	AF-13P 110612	Water	11/06/12 14:20	11/07/12 09:00
480-28077-21	AF-13S 110612	Water	11/06/12 14:25	11/07/12 09:00
480-28077-22	OSMW-9S 110612	Water	11/06/12 15:20	11/07/12 09:00
480-28077-23	OSMW-9D 110612	Water	11/06/12 15:25	11/07/12 09:00
480-28077-24	OSMW-12P 110612	Water	11/06/12 16:10	11/07/12 09:00
480-28077-25	OSMW-11P 110612	Water	11/06/12 16:15	11/07/12 09:00
480-28077-26	OSMW-11S 110612	Water	11/06/12 16:20	11/07/12 09:00
480-28077-27	OSMW-11D 110612	Water	11/06/12 16:25	11/07/12 09:00
480-28077-28	OSMW-13P 110612	Water	11/06/12 16:30	11/07/12 09:00

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-28077-1
SDG Number: 480-28077

Login Number: 28077
List Number: 1
Creator: Janish, Carl

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	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: O'Brien & Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Schneider	Lab Contact: John Shove
Address: 8805 Governors Hill Dr	Telephone: 248-477-5701	Telephone: 734-306-9685	Telephone: 716-691-2600
City/State/Zip: Cincinnati, OH 45249	Email: anthony.finch@obg.com		
Phone: 513-697-2020			
Project Name: GE IRM Project	Method of Shipment/Carrier: FEDEX Overnight		
Project Number: 48566	Shipping/Tracking No: 8001 2902 3634		
PO# 1121008U			

COC No: 1 of 3 COCs

Analysis Turnaround Time (In B/B days)
TAT if different from below
☐ 3 weeks
☒ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Analyses: VOCs (8260B)

For lab use only: Walk-in client ☐ Lab sampling ☐ Job/SDG No.

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite-C/Grab-G	VOCs (8260B)	Sample Specific Notes / Special Instructions:
Trip Blank 110612	11/6/12	—		X						2					N	G	X	
PMW-3P 110612		850		X						3					N	G	X	
PMW-3S 110612		855		X						3					N	G	X	
PMW-3D 110612		900		X						3					N	G	X	
OSMW-10P 110612		915		X						3					N	G	X	
OSMW-10S 110612		920		X						3					N	G	X	
OSMW-10D 110612		925		X						3					N	G	X	
TMW-1P 110612		1020		X						3					N	G	X	
AF-4P 110612		1035		X						3					N	G	X	
AF-4S 110612		1040		X						3					N	G	X	

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

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

Special Instructions/QC Requirements & Comments: Analysis Per QAPP; Level III Data Package

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	O'Brien & Gere	11/6/12 1730	[signature]	[signature]	11/7/12 0900
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by:	Company	Date/Time

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TAL-0018 (1008)

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: O'Brien & Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Summerder	Lab Contact: John Schone
Address: 8805 Governors Hill	Telephone: 248-477-5701	Telephone: 734-306-9685	Telephone: 716-691-2600
City/State/Zip: Cincinnati, OH 45249	Email: Anthony.Finch@obg.com		
Phone: 513-677-2020			
Project Name: GE IRM Project	Method of Shipment/Carrier: FEDEX overnight		
Project Number: 485666	Shipping/Tracking No: 8001 2902 3634		
PO# 112100820			

COC No: 2 of 3 COCs

Analysis Turnaround Time (In BUS days)
TAT if different from below
☐ 3 weeks
☒ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab sampling ☐
Job/SDG No.:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite-C / Grab-G	Analyses: VOCs (8260B)	Sample Specific Notes / Special Instructions:
ADW-100 110612	11/6/12	—		X						3					N	G	X	
AF-6S 110612	↓	1110		X						3					N	G	X	
AF-19S 110612		1130		X						3					N	G	X	
AF-19D 110612		1135		X						3					N	G	X	
PMW-2D 110612		1325		X						3					N	G	X	
AF-11S 110612		1355		X						3					N	G	X	
AF-11D 110612		1400		X						3					N	G	X	
AF-11D 110612 MS/MSD		1400		X						6					N	G	X	
ADW-101 110612		—		X						3					N	G	X	
PMW-4D 110612	↓	1415		X						3					N	G	X	

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

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

Special Instructions/QC Requirements & Comments:
Analysis Per QAPP; Level III Data Package

Relinquished by:	Company	Date/Time	Received by	Company	Date/Time
[signature]	O'Brien & Gere	11/6/12 1730	[signature]	[signature]	11/7/12 0910
Relinquished by:	Company	Date/Time	Received by:	Company.	Date/Time.
Relinquished by	Company	Date/Time	Received in Laboratory by:	Company	Date/Time

2.8 °C

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: O'Brien & Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Schneider	Lab Contact: John Schone	COC No:
Address: 8805 Governors Hill	Telephone: 248-477-5701	Telephone: 734-306-9685	Telephone: 716-691-2600	3 of 3 COCs
City/State/Zip: Cincinnati, OH 45247	Email: Anthony.Finch@obe.com	Analysis Turnaround Time (in BUS days)		
Phone: 513-677-2020		TAT if different from below ☐ 3 weeks ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		
Project Name: GE IRM Project	Method of Shipment/Carrier: FEDEX overnight			
Project Number: 48366	Shipping/Tracking No: 8001 2903 3634			
PO# 11210086				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite-C / Grab-G	Analyses: VOCs (8260B)									Sample Specific Notes / Special Instructions:
AF-13P 110612	11/6/12	1420		X						3					N	G	X									
AF-13S 110612		1425		X						3					N	G	X									
OSMW-9S 110612		1520		X						3					N	G	X									
OSMW-9D 110612		1525		X						3					N	G	X									
OSMW-9D 110612 MS/MSD		1525		X						5					N	G	X									
OSMW-12P 110612		1610		X						3					N	G	X									
OSMW-11P 110612		1615		X						3					N	G	X									
OSMW-11S 110612		1620		X						3					N	G	X									
OSMW-11D 110612		1625		X						3					N	G	X									
OSMW-13P 110612	↓	1630		X						3					N	G	X									

For lab use only: Walk-in Client ☐ Lab sampling ☐ Job/SDG No.

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

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

Special Instructions/QC Requirements & Comments:
Analysis per QAPP; Level III Data Package

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	O'Brien & Gere	11/6/12 1730	[signature]	[signature]	11/7/12 0900
Relinquished by	Company:	Date/Time:	Received by:	Company	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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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: 480-28079-1
TestAmerica Sample Delivery Group: 480-28079
Client Project/Site: GE Semi Annual Event

For:
O'Brien & Gere Inc of North America
37000 Grand River Ave
Suite 260
Farmington Hills, Michigan 48335

Attn: Mr. Tony Finch

Authorized for release by:
11/28/2012 11:06:23 AM
Robert Wienke
Project Administrator
robert.wienke@testamericainc.com

Designee for

John Schove
Project Manager I
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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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the 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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
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: 480-28079-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-28079-1

Comments
No additional comments.

Receipt
The samples were received on 11/8/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: AF-7S 110712 (480-28079-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 91740 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The laboratory control sample (LCS) for batch 91740 exceeded control limits for the following analytes: 1,1,1-Trichloroethane and Carbon tetrachloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: AF-23P 110712 (480-28079-22), AF-24P 110712 (480-28079-21), AF-25P 110712 (480-28079-14), AF-5P 110712 (480-28079-10), TMW-2D 110712 (480-28079-16). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample (LCS) for batch 91869 exceeded control limits for the following analytes: Carbon Tetrachloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: AF-24P 110712 (480-28079-21). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TRIP BLANK 110712 — Lab Sample ID: 480-28079-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	0.32	J	1.0	0.19	ug/L	1		8260B	Total/NA

Client Sample ID: AF-7P 110712 — Lab Sample ID: 480-28079-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	49		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	28		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.8		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	12		10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	5.7		1.0	0.81	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.94	J	1.0	0.36	ug/L	1		8260B	Total/NA
Trichloroethene	76		1.0	0.46	ug/L	1		8260B	Total/NA

Client Sample ID: AF-7S 110712 — Lab Sample ID: 480-28079-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	20		10	3.8	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	5.4	J	10	2.9	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	710		10	8.1	ug/L	10		8260B	Total/NA
Vinyl chloride	860		10	9.0	ug/L	10		8260B	Total/NA

Client Sample ID: AF-7D 110712 — Lab Sample ID: 480-28079-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: ADW-7D 110712 — Lab Sample ID: 480-28079-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12		10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-3S 110712 — Lab Sample ID: 480-28079-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	5.4	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	7.3		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-3D 110712 — Lab Sample ID: 480-28079-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.5		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	26		10	3.0	ug/L	1		8260B	Total/NA
Benzene	1.3		1.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.90	ug/L	1		8260B	Total/NA
Trichloroethene	5.9		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	11		1.0	0.90	ug/L	1		8260B	Total/NA

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TMW-1S 110712 — Lab Sample ID: 480-28079-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.6	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	6.3		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	18		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: TMW-1D 110712 — Lab Sample ID: 480-28079-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: AF-5P 110712 — Lab Sample ID: 480-28079-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	72		4.0	3.3	ug/L	4		8260B	Total/NA
1,1-Dichloroethane	2.8	J	4.0	1.5	ug/L	4		8260B	Total/NA
1,1-Dichloroethene	4.3		4.0	1.2	ug/L	4		8260B	Total/NA
Trichloroethene	280		4.0	1.8	ug/L	4		8260B	Total/NA

Client Sample ID: AF-5S 110712 — Lab Sample ID: 480-28079-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.1		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	4.9	J	10	3.0	ug/L	1		8260B	Total/NA
Benzene	0.55	J	1.0	0.41	ug/L	1		8260B	Total/NA
Chloroethane	0.52	J	1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	42		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: AF-5D 110712 — Lab Sample ID: 480-28079-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.5	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: ADW-5D 110712 — Lab Sample ID: 480-28079-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.9	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: AF-25P 110712 — Lab Sample ID: 480-28079-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	86		2.0	1.6	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	28		2.0	0.76	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	15		2.0	0.58	ug/L	2		8260B	Total/NA
Benzene	1.4	J	2.0	0.82	ug/L	2		8260B	Total/NA
Chloroethane	200		2.0	0.64	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	21		2.0	1.6	ug/L	2		8260B	Total/NA
Tetrachloroethene	0.92	J	2.0	0.72	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	2.5		2.0	1.8	ug/L	2		8260B	Total/NA
Trichloroethene	72		2.0	0.92	ug/L	2		8260B	Total/NA
Vinyl chloride	23		2.0	1.8	ug/L	2		8260B	Total/NA

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TMW-2S 110712 — Lab Sample ID: 480-28079-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.8	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: TMW-2D 110712 — Lab Sample ID: 480-28079-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.2		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	4.6	J	10	3.0	ug/L	1		8260B	Total/NA
Benzene	3.6		1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	2.8		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	76		1.0	0.90	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	590		10	8.1	ug/L	10		8260B	Total/NA
trans-1,2-Dichloroethene - DL	220		10	9.0	ug/L	10		8260B	Total/NA

Client Sample ID: AF-21D 110712 — Lab Sample ID: 480-28079-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.0	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.99	J	1.0	0.81	ug/L	1		8260B	Total/NA

Client Sample ID: AF-9S 110712 — Lab Sample ID: 480-28079-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	4.4	J	10	3.0	ug/L	1		8260B	Total/NA
Benzene	0.41	J	1.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.7		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	29		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: AF-2P 110712 — Lab Sample ID: 480-28079-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.7		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	7.4		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	3.6	J	10	3.0	ug/L	1		8260B	Total/NA
Trichloroethene	46		1.0	0.46	ug/L	1		8260B	Total/NA

Client Sample ID: AF-3P 110712 — Lab Sample ID: 480-28079-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	37		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	2.7		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.0		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	3.9	J	10	3.0	ug/L	1		8260B	Total/NA
Chloroform	0.62	J	1.0	0.34	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	4.5		1.0	0.81	ug/L	1		8260B	Total/NA
Tetrachloroethene	14		1.0	0.36	ug/L	1		8260B	Total/NA
Trichloroethene	82		1.0	0.46	ug/L	1		8260B	Total/NA

Client Sample ID: AF-24P 110712 — Lab Sample ID: 480-28079-21

Client Sample ID: AF-24P 110712 (Continued) — Lab Sample ID: 480-28079-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	120		5.0	1.9	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	98		5.0	1.5	ug/L	5		8260B	Total/NA
Chloroform	2.3	J	5.0	1.7	ug/L	5		8260B	Total/NA
Tetrachloroethene	1.8	J	5.0	1.8	ug/L	5		8260B	Total/NA
trans-1,2-Dichloroethene	76		5.0	4.5	ug/L	5		8260B	Total/NA
Trichloroethene	65		5.0	2.3	ug/L	5		8260B	Total/NA
Vinyl chloride	29		5.0	4.5	ug/L	5		8260B	Total/NA
1,1,1-Trichloroethane - DL	710		10	8.2	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene - DL	590		10	8.1	ug/L	10		8260B	Total/NA

Client Sample ID: AF-23P 110712 — Lab Sample ID: 480-28079-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	410		5.0	4.1	ug/L	5		8260B	Total/NA
1,1-Dichloroethane	78		5.0	1.9	ug/L	5		8260B	Total/NA
1,1-Dichloroethene	42		5.0	1.5	ug/L	5		8260B	Total/NA
Chloroform	4.8	J	5.0	1.7	ug/L	5		8260B	Total/NA
cis-1,2-Dichloroethene	12		5.0	4.1	ug/L	5		8260B	Total/NA
Tetrachloroethene	6.7		5.0	1.8	ug/L	5		8260B	Total/NA
Trichloroethene	440		5.0	2.3	ug/L	5		8260B	Total/NA

Client Sample ID: AOC-PSTMW-15R 110712 — Lab Sample ID: 480-28079-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.5	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: AOC-PSTMW-2S 110712 — Lab Sample ID: 480-28079-24

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		8260B	Total/NA
1,1-Dichloroethene	0.88	J	1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	3.1	J	10	3.0	ug/L	1		8260B	Total/NA
Trichloroethene	0.79	J	1.0	0.46	ug/L	1		8260B	Total/NA

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TRIP BLANK 110712

Lab Sample ID: 480-28079-1

Date Collected: 11/07/12 00:00
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 12:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 12:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 12:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 12:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 12:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 12:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 12:09	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 12:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 12:09	1
Acetone	**16**		10	3.0	ug/L			11/19/12 12:09	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 12:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 12:09	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 12:09	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 12:09	1
Carbon disulfide	**0.32**	**J**	1.0	0.19	ug/L			11/19/12 12:09	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 12:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 12:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 12:09	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 12:09	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 12:09	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 12:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 12:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 12:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 12:09	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 12:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 12:09	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 12:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 12:09	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 12:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 12:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*11/19/12 12:09*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/19/12 12:09*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*11/19/12 12:09*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-7P 110712

Lab Sample ID: 480-28079-2

Date Collected: 11/07/12 09:15
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**49**		1.0	0.82	ug/L			11/20/12 01:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 01:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 01:18	1
1,1-Dichloroethane	**28**		1.0	0.38	ug/L			11/20/12 01:18	1
1,1-Dichloroethene	**2.8**		1.0	0.29	ug/L			11/20/12 01:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 01:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 01:18	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 01:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 01:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 01:18	1
Acetone	**12**		10	3.0	ug/L			11/20/12 01:18	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 01:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 01:18	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 01:18	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 01:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 01:18	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/20/12 01:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 01:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 01:18	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 01:18	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 01:18	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 01:18	1
cis-1,2-Dichloroethene	**5.7**		1.0	0.81	ug/L			11/20/12 01:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 01:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 01:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 01:18	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 01:18	1
Tetrachloroethene	**0.94**	**J**	1.0	0.36	ug/L			11/20/12 01:18	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 01:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 01:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 01:18	1
Trichloroethene	**76**		1.0	0.46	ug/L			11/20/12 01:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 01:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/20/12 01:18*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/20/12 01:18*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/20/12 01:18*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-7S 110712

Lab Sample ID: 480-28079-3

Date Collected: 11/07/12 09:20
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	10	8.2	ug/L			11/19/12 12:57	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			11/19/12 12:57	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			11/19/12 12:57	10
1,1-Dichloroethane	**20**		10	3.8	ug/L			11/19/12 12:57	10
1,1-Dichloroethene	**5.4**	**J**	10	2.9	ug/L			11/19/12 12:57	10
1,2-Dichloroethane	ND		10	2.1	ug/L			11/19/12 12:57	10
1,2-Dichloropropane	ND		10	7.2	ug/L			11/19/12 12:57	10
2-Hexanone	ND		50	12	ug/L			11/19/12 12:57	10
2-Butanone (MEK)	ND		100	13	ug/L			11/19/12 12:57	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			11/19/12 12:57	10
Acetone	ND		100	30	ug/L			11/19/12 12:57	10
Benzene	ND		10	4.1	ug/L			11/19/12 12:57	10
Bromodichloromethane	ND		10	3.9	ug/L			11/19/12 12:57	10
Bromoform	ND		10	2.6	ug/L			11/19/12 12:57	10
Bromomethane	ND		10	6.9	ug/L			11/19/12 12:57	10
Carbon disulfide	ND		10	1.9	ug/L			11/19/12 12:57	10
Carbon tetrachloride	ND	*	10	2.7	ug/L			11/19/12 12:57	10
Chlorobenzene	ND		10	7.5	ug/L			11/19/12 12:57	10
Dibromochloromethane	ND		10	3.2	ug/L			11/19/12 12:57	10
Chloroethane	ND		10	3.2	ug/L			11/19/12 12:57	10
Chloroform	ND		10	3.4	ug/L			11/19/12 12:57	10
Chloromethane	ND		10	3.5	ug/L			11/19/12 12:57	10
cis-1,2-Dichloroethene	**710**		10	8.1	ug/L			11/19/12 12:57	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			11/19/12 12:57	10
Ethylbenzene	ND		10	7.4	ug/L			11/19/12 12:57	10
Methylene Chloride	ND		10	4.4	ug/L			11/19/12 12:57	10
Styrene	ND		10	7.3	ug/L			11/19/12 12:57	10
Tetrachloroethene	ND		10	3.6	ug/L			11/19/12 12:57	10
Toluene	ND		10	5.1	ug/L			11/19/12 12:57	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			11/19/12 12:57	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			11/19/12 12:57	10
Trichloroethene	ND		10	4.6	ug/L			11/19/12 12:57	10
Vinyl chloride	**860**		10	9.0	ug/L			11/19/12 12:57	10
Xylenes, Total	ND		20	6.6	ug/L			11/19/12 12:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/19/12 12:57*	*10*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/19/12 12:57*	*10*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/19/12 12:57*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-7D 110712

Lab Sample ID: 480-28079-4

Date Collected: 11/07/12 09:25
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 13:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 13:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 13:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 13:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 13:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 13:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 13:21	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 13:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 13:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 13:21	1
Acetone	**13**		10	3.0	ug/L			11/19/12 13:21	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 13:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 13:21	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 13:21	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 13:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 13:21	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 13:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 13:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 13:21	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 13:21	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 13:21	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 13:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 13:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 13:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 13:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 13:21	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 13:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 13:21	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 13:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 13:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 13:21	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 13:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 13:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/19/12 13:21*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/19/12 13:21*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/19/12 13:21*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: ADW-7D 110712

Lab Sample ID: 480-28079-5

Date Collected: 11/07/12 09:30
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 14:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 14:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 14:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 14:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 14:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 14:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 14:33	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 14:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 14:33	1
Acetone	**12**		10	3.0	ug/L			11/19/12 14:33	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 14:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 14:33	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 14:33	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 14:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 14:33	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 14:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 14:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 14:33	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 14:33	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 14:33	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 14:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 14:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 14:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 14:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 14:33	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 14:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 14:33	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 14:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 14:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 14:33	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 14:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 14:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*11/19/12 14:33*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/19/12 14:33*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/19/12 14:33*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: OSMW-3S 110712

Lab Sample ID: 480-28079-6

Date Collected: 11/07/12 09:35
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 14:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 14:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 14:57	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			11/19/12 14:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 14:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 14:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 14:57	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 14:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 14:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 14:57	1
Acetone	**5.4**	**J**	10	3.0	ug/L			11/19/12 14:57	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 14:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 14:57	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 14:57	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 14:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 14:57	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 14:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 14:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 14:57	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 14:57	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 14:57	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 14:57	1
cis-1,2-Dichloroethene	**1.9**		1.0	0.81	ug/L			11/19/12 14:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 14:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 14:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 14:57	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 14:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 14:57	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 14:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 14:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 14:57	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 14:57	1
Vinyl chloride	**7.3**		1.0	0.90	ug/L			11/19/12 14:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/19/12 14:57*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/19/12 14:57*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/19/12 14:57*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: OSMW-3D 110712

Lab Sample ID: 480-28079-7

Date Collected: 11/07/12 09:40
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 15:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 15:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 15:21	1
1,1-Dichloroethane	**4.5**		1.0	0.38	ug/L			11/19/12 15:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 15:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 15:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 15:21	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 15:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 15:21	1
Acetone	**26**		10	3.0	ug/L			11/19/12 15:21	1
Benzene	**1.3**		1.0	0.41	ug/L			11/19/12 15:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 15:21	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 15:21	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 15:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 15:21	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 15:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 15:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 15:21	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 15:21	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 15:21	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 15:21	1
cis-1,2-Dichloroethene	**15**		1.0	0.81	ug/L			11/19/12 15:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 15:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 15:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 15:21	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 15:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 15:21	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 15:21	1
trans-1,2-Dichloroethene	**1.0**		1.0	0.90	ug/L			11/19/12 15:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 15:21	1
Trichloroethene	**5.9**		1.0	0.46	ug/L			11/19/12 15:21	1
Vinyl chloride	**11**		1.0	0.90	ug/L			11/19/12 15:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*		*11/19/12 15:21*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/19/12 15:21*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/19/12 15:21*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TMW-1S 110712

Lab Sample ID: 480-28079-8

Date Collected: 11/07/12 10:00
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 15:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 15:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 15:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 15:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 15:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 15:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 15:45	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 15:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 15:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 15:45	1
Acetone	**6.6**	**J**	10	3.0	ug/L			11/19/12 15:45	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 15:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 15:45	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 15:45	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 15:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 15:45	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 15:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 15:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 15:45	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 15:45	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 15:45	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 15:45	1
cis-1,2-Dichloroethene	**6.3**		1.0	0.81	ug/L			11/19/12 15:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 15:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 15:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 15:45	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 15:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 15:45	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 15:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 15:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 15:45	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 15:45	1
Vinyl chloride	**18**		1.0	0.90	ug/L			11/19/12 15:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*		*11/19/12 15:45*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/19/12 15:45*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/19/12 15:45*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TMW-1D 110712

Lab Sample ID: 480-28079-9

Date Collected: 11/07/12 10:05
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 16:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 16:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 16:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 16:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 16:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 16:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 16:09	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 16:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 16:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 16:09	1
Acetone	**5.5**	**J**	10	3.0	ug/L			11/19/12 16:09	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 16:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 16:09	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 16:09	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 16:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 16:09	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 16:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 16:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 16:09	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 16:09	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 16:09	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 16:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 16:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 16:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 16:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 16:09	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 16:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 16:09	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 16:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 16:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 16:09	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 16:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 16:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/19/12 16:09*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/19/12 16:09*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/19/12 16:09*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-5P 110712

Lab Sample ID: 480-28079-10

Date Collected: 11/07/12 10:55
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**72**		4.0	3.3	ug/L			11/20/12 01:43	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/20/12 01:43	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/20/12 01:43	4
1,1-Dichloroethane	**2.8**	**J**	4.0	1.5	ug/L			11/20/12 01:43	4
1,1-Dichloroethene	**4.3**		4.0	1.2	ug/L			11/20/12 01:43	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/20/12 01:43	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/20/12 01:43	4
2-Hexanone	ND		20	5.0	ug/L			11/20/12 01:43	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/20/12 01:43	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/20/12 01:43	4
Acetone	ND		40	12	ug/L			11/20/12 01:43	4
Benzene	ND		4.0	1.6	ug/L			11/20/12 01:43	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/20/12 01:43	4
Bromoform	ND		4.0	1.0	ug/L			11/20/12 01:43	4
Bromomethane	ND		4.0	2.8	ug/L			11/20/12 01:43	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/20/12 01:43	4
Carbon tetrachloride	ND	*	4.0	1.1	ug/L			11/20/12 01:43	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/20/12 01:43	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/20/12 01:43	4
Chloroethane	ND		4.0	1.3	ug/L			11/20/12 01:43	4
Chloroform	ND		4.0	1.4	ug/L			11/20/12 01:43	4
Chloromethane	ND		4.0	1.4	ug/L			11/20/12 01:43	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			11/20/12 01:43	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/20/12 01:43	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/20/12 01:43	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/20/12 01:43	4
Styrene	ND		4.0	2.9	ug/L			11/20/12 01:43	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/20/12 01:43	4
Toluene	ND		4.0	2.0	ug/L			11/20/12 01:43	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/20/12 01:43	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/20/12 01:43	4
Trichloroethene	**280**		4.0	1.8	ug/L			11/20/12 01:43	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/20/12 01:43	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/20/12 01:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/20/12 01:43*	*4*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/20/12 01:43*	*4*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/20/12 01:43*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-5S 110712

Lab Sample ID: 480-28079-11

Date Collected: 11/07/12 11:00
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 16:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 16:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 16:57	1
1,1-Dichloroethane	**5.1**		1.0	0.38	ug/L			11/19/12 16:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 16:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 16:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 16:57	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 16:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 16:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 16:57	1
Acetone	**4.9**	**J**	10	3.0	ug/L			11/19/12 16:57	1
Benzene	**0.55**	**J**	1.0	0.41	ug/L			11/19/12 16:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 16:57	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 16:57	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 16:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 16:57	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 16:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 16:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 16:57	1
Chloroethane	**0.52**	**J**	1.0	0.32	ug/L			11/19/12 16:57	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 16:57	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 16:57	1
cis-1,2-Dichloroethene	**3.0**		1.0	0.81	ug/L			11/19/12 16:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 16:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 16:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 16:57	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 16:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 16:57	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 16:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 16:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 16:57	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 16:57	1
Vinyl chloride	**42**		1.0	0.90	ug/L			11/19/12 16:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/19/12 16:57*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/19/12 16:57*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/19/12 16:57*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-5D 110712

Lab Sample ID: 480-28079-12

Date Collected: 11/07/12 11:05
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 17:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 17:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 17:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 17:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 17:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 17:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 17:21	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 17:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 17:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 17:21	1
Acetone	**8.5**	**J**	10	3.0	ug/L			11/19/12 17:21	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 17:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 17:21	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 17:21	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 17:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 17:21	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 17:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 17:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 17:21	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 17:21	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 17:21	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 17:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 17:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 17:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 17:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 17:21	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 17:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 17:21	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 17:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 17:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 17:21	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 17:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 17:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/19/12 17:21*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/19/12 17:21*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/19/12 17:21*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: ADW-5D 110712

Lab Sample ID: 480-28079-13

Date Collected: 11/07/12 11:10
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 18:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 18:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 18:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 18:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 18:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 18:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 18:32	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 18:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 18:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 18:32	1
Acetone	**4.9**	**J**	10	3.0	ug/L			11/19/12 18:32	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 18:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 18:32	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 18:32	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 18:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 18:32	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 18:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 18:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 18:32	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 18:32	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 18:32	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 18:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 18:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 18:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 18:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 18:32	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 18:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 18:32	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 18:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 18:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 18:32	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 18:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 18:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/19/12 18:32*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/19/12 18:32*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/19/12 18:32*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-25P 110712

Lab Sample ID: 480-28079-14

Date Collected: 11/07/12 12:15
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**86**		2.0	1.6	ug/L			11/20/12 02:06	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/20/12 02:06	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/20/12 02:06	2
1,1-Dichloroethane	**28**		2.0	0.76	ug/L			11/20/12 02:06	2
1,1-Dichloroethene	**15**		2.0	0.58	ug/L			11/20/12 02:06	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/20/12 02:06	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/20/12 02:06	2
2-Hexanone	ND		10	2.5	ug/L			11/20/12 02:06	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/20/12 02:06	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/20/12 02:06	2
Acetone	ND		20	6.0	ug/L			11/20/12 02:06	2
Benzene	**1.4**	**J**	2.0	0.82	ug/L			11/20/12 02:06	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/20/12 02:06	2
Bromoform	ND		2.0	0.52	ug/L			11/20/12 02:06	2
Bromomethane	ND		2.0	1.4	ug/L			11/20/12 02:06	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/20/12 02:06	2
Carbon tetrachloride	ND	*	2.0	0.54	ug/L			11/20/12 02:06	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/20/12 02:06	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/20/12 02:06	2
Chloroethane	**200**		2.0	0.64	ug/L			11/20/12 02:06	2
Chloroform	ND		2.0	0.68	ug/L			11/20/12 02:06	2
Chloromethane	ND		2.0	0.70	ug/L			11/20/12 02:06	2
cis-1,2-Dichloroethene	**21**		2.0	1.6	ug/L			11/20/12 02:06	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/20/12 02:06	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/20/12 02:06	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/20/12 02:06	2
Styrene	ND		2.0	1.5	ug/L			11/20/12 02:06	2
Tetrachloroethene	**0.92**	**J**	2.0	0.72	ug/L			11/20/12 02:06	2
Toluene	ND		2.0	1.0	ug/L			11/20/12 02:06	2
trans-1,2-Dichloroethene	**2.5**		2.0	1.8	ug/L			11/20/12 02:06	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/20/12 02:06	2
Trichloroethene	**72**		2.0	0.92	ug/L			11/20/12 02:06	2
Vinyl chloride	**23**		2.0	1.8	ug/L			11/20/12 02:06	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/20/12 02:06	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*		*11/20/12 02:06*	*2*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/20/12 02:06*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/20/12 02:06*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TMW-2S 110712

Lab Sample ID: 480-28079-15

Date Collected: 11/07/12 13:00
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 19:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 19:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 19:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 19:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 19:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 19:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 19:21	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 19:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 19:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 19:21	1
Acetone	**3.8**	**J**	10	3.0	ug/L			11/19/12 19:21	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 19:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 19:21	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 19:21	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 19:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 19:21	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 19:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 19:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 19:21	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 19:21	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 19:21	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 19:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 19:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 19:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 19:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 19:21	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 19:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 19:21	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 19:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 19:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 19:21	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 19:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 19:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/19/12 19:21*	*1*
Toluene-d8 (Surr)	*116*		*71 - 126*		*11/19/12 19:21*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*11/19/12 19:21*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TMW-2D 110712

Lab Sample ID: 480-28079-16

Date Collected: 11/07/12 13:05
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/19/12 19:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 19:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 19:45	1
1,1-Dichloroethane	**2.2**		1.0	0.38	ug/L			11/19/12 19:45	1
1,1-Dichloroethene	**1.2**		1.0	0.29	ug/L			11/19/12 19:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 19:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 19:45	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 19:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 19:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 19:45	1
Acetone	**4.6**	**J**	10	3.0	ug/L			11/19/12 19:45	1
Benzene	**3.6**		1.0	0.41	ug/L			11/19/12 19:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 19:45	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 19:45	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 19:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 19:45	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/19/12 19:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 19:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 19:45	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 19:45	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 19:45	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 19:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 19:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 19:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 19:45	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 19:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 19:45	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 19:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 19:45	1
Trichloroethene	**2.8**		1.0	0.46	ug/L			11/19/12 19:45	1
Vinyl chloride	**76**		1.0	0.90	ug/L			11/19/12 19:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*11/19/12 19:45*	*1*
Toluene-d8 (Surr)	*116*		*71 - 126*		*11/19/12 19:45*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/19/12 19:45*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**590**		10	8.1	ug/L			11/20/12 02:30	10
trans-1,2-Dichloroethene	**220**		10	9.0	ug/L			11/20/12 02:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/20/12 02:30*	*10*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/20/12 02:30*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/20/12 02:30*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-21D 110712

Lab Sample ID: 480-28079-17

Date Collected: 11/07/12 13:35
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/20/12 02:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 02:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 02:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/20/12 02:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/20/12 02:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 02:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 02:54	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 02:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 02:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 02:54	1
Acetone	**8.0**	**J**	10	3.0	ug/L			11/20/12 02:54	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 02:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 02:54	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 02:54	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 02:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 02:54	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/20/12 02:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 02:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 02:54	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 02:54	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 02:54	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 02:54	1
cis-1,2-Dichloroethene	**0.99**	**J**	1.0	0.81	ug/L			11/20/12 02:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 02:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 02:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 02:54	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 02:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 02:54	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 02:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 02:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 02:54	1
Trichloroethene	ND		1.0	0.46	ug/L			11/20/12 02:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 02:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*11/20/12 02:54*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/20/12 02:54*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/20/12 02:54*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-9S 110712

Lab Sample ID: 480-28079-18

Date Collected: 11/07/12 13:45
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/20/12 03:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 03:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 03:18	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			11/20/12 03:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/20/12 03:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 03:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 03:18	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 03:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 03:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 03:18	1
Acetone	**4.4**	**J**	10	3.0	ug/L			11/20/12 03:18	1
Benzene	**0.41**	**J**	1.0	0.41	ug/L			11/20/12 03:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 03:18	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 03:18	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 03:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 03:18	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/20/12 03:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 03:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 03:18	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 03:18	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 03:18	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 03:18	1
cis-1,2-Dichloroethene	**1.7**		1.0	0.81	ug/L			11/20/12 03:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 03:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 03:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 03:18	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 03:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 03:18	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 03:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 03:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 03:18	1
Trichloroethene	ND		1.0	0.46	ug/L			11/20/12 03:18	1
Vinyl chloride	**29**		1.0	0.90	ug/L			11/20/12 03:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/20/12 03:18*	*1*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/20/12 03:18*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/20/12 03:18*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-2P 110712

Lab Sample ID: 480-28079-19

Date Collected: 11/07/12 14:45
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.7**		1.0	0.82	ug/L			11/20/12 03:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 03:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 03:41	1
1,1-Dichloroethane	**7.4**		1.0	0.38	ug/L			11/20/12 03:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/20/12 03:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 03:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 03:41	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 03:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 03:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 03:41	1
Acetone	**3.6**	**J**	10	3.0	ug/L			11/20/12 03:41	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 03:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 03:41	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 03:41	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 03:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 03:41	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/20/12 03:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 03:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 03:41	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 03:41	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 03:41	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 03:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/20/12 03:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 03:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 03:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 03:41	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 03:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 03:41	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 03:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 03:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 03:41	1
Trichloroethene	**46**		1.0	0.46	ug/L			11/20/12 03:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 03:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/20/12 03:41*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/20/12 03:41*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/20/12 03:41*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-3P 110712

Lab Sample ID: 480-28079-20

Date Collected: 11/07/12 14:55
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**37**		1.0	0.82	ug/L			11/20/12 04:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 04:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 04:05	1
1,1-Dichloroethane	**2.7**		1.0	0.38	ug/L			11/20/12 04:05	1
1,1-Dichloroethene	**2.0**		1.0	0.29	ug/L			11/20/12 04:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 04:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 04:05	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 04:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 04:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 04:05	1
Acetone	**3.9**	**J**	10	3.0	ug/L			11/20/12 04:05	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 04:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 04:05	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 04:05	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 04:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 04:05	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/20/12 04:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 04:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 04:05	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 04:05	1
Chloroform	**0.62**	**J**	1.0	0.34	ug/L			11/20/12 04:05	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 04:05	1
cis-1,2-Dichloroethene	**4.5**		1.0	0.81	ug/L			11/20/12 04:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 04:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 04:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 04:05	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 04:05	1
Tetrachloroethene	**14**		1.0	0.36	ug/L			11/20/12 04:05	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 04:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 04:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 04:05	1
Trichloroethene	**82**		1.0	0.46	ug/L			11/20/12 04:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 04:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*11/20/12 04:05*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/20/12 04:05*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/20/12 04:05*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-24P 110712

Lab Sample ID: 480-28079-21

Date Collected: 11/07/12 15:20
Date Received: 11/08/12 09:00

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/20/12 04:29	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/20/12 04:29	5
1,1-Dichloroethane	**120**		5.0	1.9	ug/L			11/20/12 04:29	5
1,1-Dichloroethene	**98**		5.0	1.5	ug/L			11/20/12 04:29	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/20/12 04:29	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/20/12 04:29	5
2-Hexanone	ND		25	6.2	ug/L			11/20/12 04:29	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/20/12 04:29	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/20/12 04:29	5
Acetone	ND		50	15	ug/L			11/20/12 04:29	5
Benzene	ND		5.0	2.1	ug/L			11/20/12 04:29	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/20/12 04:29	5
Bromoform	ND		5.0	1.3	ug/L			11/20/12 04:29	5
Bromomethane	ND		5.0	3.5	ug/L			11/20/12 04:29	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/20/12 04:29	5
Carbon tetrachloride	ND	*	5.0	1.4	ug/L			11/20/12 04:29	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/20/12 04:29	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/20/12 04:29	5
Chloroethane	ND		5.0	1.6	ug/L			11/20/12 04:29	5
Chloroform	**2.3**	**J**	5.0	1.7	ug/L			11/20/12 04:29	5
Chloromethane	ND		5.0	1.8	ug/L			11/20/12 04:29	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/20/12 04:29	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/20/12 04:29	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/20/12 04:29	5
Styrene	ND		5.0	3.7	ug/L			11/20/12 04:29	5
Tetrachloroethene	**1.8**	**J**	5.0	1.8	ug/L			11/20/12 04:29	5
Toluene	ND		5.0	2.6	ug/L			11/20/12 04:29	5
trans-1,2-Dichloroethene	**76**		5.0	4.5	ug/L			11/20/12 04:29	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/20/12 04:29	5
Trichloroethene	**65**		5.0	2.3	ug/L			11/20/12 04:29	5
Vinyl chloride	**29**		5.0	4.5	ug/L			11/20/12 04:29	5
Xylenes, Total	ND		10	3.3	ug/L			11/20/12 04:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*11/20/12 04:29*	*5*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/20/12 04:29*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/20/12 04:29*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**710**		10	8.2	ug/L			11/20/12 13:52	10
cis-1,2-Dichloroethene	**590**		10	8.1	ug/L			11/20/12 13:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/20/12 13:52*	*10*
Toluene-d8 (Surr)	*114*		*71 - 126*		*11/20/12 13:52*	*10*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/20/12 13:52*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-23P 110712

Lab Sample ID: 480-28079-22

Date Collected: 11/07/12 15:45
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**410**		5.0	4.1	ug/L			11/20/12 04:53	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/20/12 04:53	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/20/12 04:53	5
1,1-Dichloroethane	**78**		5.0	1.9	ug/L			11/20/12 04:53	5
1,1-Dichloroethene	**42**		5.0	1.5	ug/L			11/20/12 04:53	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/20/12 04:53	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/20/12 04:53	5
2-Hexanone	ND		25	6.2	ug/L			11/20/12 04:53	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/20/12 04:53	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/20/12 04:53	5
Acetone	ND		50	15	ug/L			11/20/12 04:53	5
Benzene	ND		5.0	2.1	ug/L			11/20/12 04:53	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/20/12 04:53	5
Bromoform	ND		5.0	1.3	ug/L			11/20/12 04:53	5
Bromomethane	ND		5.0	3.5	ug/L			11/20/12 04:53	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/20/12 04:53	5
Carbon tetrachloride	ND	*	5.0	1.4	ug/L			11/20/12 04:53	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/20/12 04:53	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/20/12 04:53	5
Chloroethane	ND		5.0	1.6	ug/L			11/20/12 04:53	5
Chloroform	**4.8**	**J**	5.0	1.7	ug/L			11/20/12 04:53	5
Chloromethane	ND		5.0	1.8	ug/L			11/20/12 04:53	5
cis-1,2-Dichloroethene	**12**		5.0	4.1	ug/L			11/20/12 04:53	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/20/12 04:53	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/20/12 04:53	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/20/12 04:53	5
Styrene	ND		5.0	3.7	ug/L			11/20/12 04:53	5
Tetrachloroethene	**6.7**		5.0	1.8	ug/L			11/20/12 04:53	5
Toluene	ND		5.0	2.6	ug/L			11/20/12 04:53	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/20/12 04:53	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/20/12 04:53	5
Trichloroethene	**440**		5.0	2.3	ug/L			11/20/12 04:53	5
Vinyl chloride	ND		5.0	4.5	ug/L			11/20/12 04:53	5
Xylenes, Total	ND		10	3.3	ug/L			11/20/12 04:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/20/12 04:53*	*5*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/20/12 04:53*	*5*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/20/12 04:53*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AOC-PSTMW-15R 110712

Lab Sample ID: 480-28079-23

Date Collected: 11/07/12 16:05
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/20/12 05:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 05:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 05:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/20/12 05:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/20/12 05:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 05:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 05:17	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 05:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 05:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 05:17	1
Acetone	**4.5**	**J**	10	3.0	ug/L			11/20/12 05:17	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 05:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 05:17	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 05:17	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 05:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 05:17	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/20/12 05:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 05:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 05:17	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 05:17	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 05:17	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 05:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/20/12 05:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 05:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 05:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 05:17	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 05:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 05:17	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 05:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 05:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 05:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/20/12 05:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 05:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*66 - 137*		*11/20/12 05:17*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/20/12 05:17*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/20/12 05:17*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AOC-PSTMW-2S 110712

Lab Sample ID: 480-28079-24

Date Collected: 11/07/12 16:25
Matrix: Water
Date Received: 11/08/12 09:00

Method: 8260B - Volatile Organic Compounds (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			11/20/12 05:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 05:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 05:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/20/12 05:40	1
1,1-Dichloroethene	**0.88**	**J**	1.0	0.29	ug/L			11/20/12 05:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 05:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 05:40	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 05:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 05:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 05:40	1
Acetone	**3.1**	**J**	10	3.0	ug/L			11/20/12 05:40	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 05:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 05:40	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 05:40	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 05:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 05:40	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/20/12 05:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 05:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 05:40	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 05:40	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 05:40	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 05:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/20/12 05:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 05:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 05:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 05:40	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 05:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 05:40	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 05:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 05:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 05:40	1
Trichloroethene	**0.79**	**J**	1.0	0.46	ug/L			11/20/12 05:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 05:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*11/20/12 05:40*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/20/12 05:40*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/20/12 05:40*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-28079-1	TRIP BLANK 110712	123	113	110
480-28079-2	AF-7P 110712	121	114	107
480-28079-3	AF-7S 110712	122	111	105
480-28079-4	AF-7D 110712	122	113	106
480-28079-4 MS	AF-7D 110712	117	114	111
480-28079-4 MSD	AF-7D 110712	120	114	111
480-28079-5	ADW-7D 110712	115	112	106
480-28079-6	OSMW-3S 110712	119	113	105
480-28079-7	OSMW-3D 110712	120	113	106
480-28079-8	TMW-1S 110712	120	113	107
480-28079-9	TMW-1D 110712	122	114	108
480-28079-10	AF-5P 110712	122	114	107
480-28079-11	AF-5S 110712	122	114	108
480-28079-12	AF-5D 110712	121	112	107
480-28079-12 MS	AF-5D 110712	119	111	107
480-28079-12 MSD	AF-5D 110712	116	113	110
480-28079-13	ADW-5D 110712	121	111	105
480-28079-14	AF-25P 110712	117	114	103
480-28079-15	TMW-2S 110712	121	116	109
480-28079-16	TMW-2D 110712	118	116	108
480-28079-16 - DL	TMW-2D 110712	119	113	104
480-28079-17	AF-21D 110712	123	113	105
480-28079-18	AF-9S 110712	119	114	107
480-28079-19	AF-2P 110712	121	112	106
480-28079-20	AF-3P 110712	118	112	106
480-28079-21	AF-24P 110712	123	110	106
480-28079-21 - DL	AF-24P 110712	119	114	106
480-28079-22	AF-23P 110712	119	112	104
480-28079-23	AOC-PSTMW-15R 110712	126	111	105
480-28079-24	AOC-PSTMW-2S 110712	124	112	105
LCS 480-91740/4	Lab Control Sample	115	115	110
LCS 480-91869/4	Lab Control Sample	115	112	106
LCS 480-91979/4	Lab Control Sample	117	115	109
MB 480-91740/5	Method Blank	123	112	108
MB 480-91869/5	Method Blank	119	108	104
MB 480-91979/5	Method Blank	120	113	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-91740/5
Matrix: Water
Analysis Batch: 91740

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			11/19/12 11:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/12 11:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/19/12 11:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/19/12 11:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/19/12 11:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/19/12 11:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/19/12 11:29	1
2-Hexanone	ND		5.0	1.2	ug/L			11/19/12 11:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/19/12 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/19/12 11:29	1
Acetone	ND		10	3.0	ug/L			11/19/12 11:29	1
Benzene	ND		1.0	0.41	ug/L			11/19/12 11:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/19/12 11:29	1
Bromoform	ND		1.0	0.26	ug/L			11/19/12 11:29	1
Bromomethane	ND		1.0	0.69	ug/L			11/19/12 11:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/19/12 11:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/19/12 11:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/19/12 11:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/19/12 11:29	1
Chloroethane	ND		1.0	0.32	ug/L			11/19/12 11:29	1
Chloroform	ND		1.0	0.34	ug/L			11/19/12 11:29	1
Chloromethane	ND		1.0	0.35	ug/L			11/19/12 11:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/12 11:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/19/12 11:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/12 11:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/12 11:29	1
Styrene	ND		1.0	0.73	ug/L			11/19/12 11:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/12 11:29	1
Toluene	ND		1.0	0.51	ug/L			11/19/12 11:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/12 11:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/19/12 11:29	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/12 11:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/19/12 11:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/12 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*66 - 137*		*11/19/12 11:29*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/19/12 11:29*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*11/19/12 11:29*	*1*

Lab Sample ID: LCS 480-91740/4
Matrix: Water
Analysis Batch: 91740

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	32.3	*	ug/L		129	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	70 - 126
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122

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

Lab Sample ID: LCS 480-91740/4
Matrix: Water
Analysis Batch: 91740

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.0		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	25.8		ug/L		103	58 - 121
1,2-Dichloroethane	25.0	25.9		ug/L		103	75 - 127
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
2-Hexanone	125	123		ug/L		98	65 - 127
2-Butanone (MEK)	125	112		ug/L		90	57 - 140
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	27.7		ug/L		111	80 - 122
Bromoform	25.0	28.2		ug/L		113	66 - 128
Bromomethane	25.0	35.4		ug/L		142	55 - 144
Carbon disulfide	25.0	23.7		ug/L		95	59 - 134
Carbon tetrachloride	25.0	35.8	*	ug/L		143	72 - 134
Chlorobenzene	25.0	26.4		ug/L		106	72 - 120
Dibromochloromethane	25.0	29.1		ug/L		116	75 - 125
Chloroethane	25.0	25.7		ug/L		103	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	29.1		ug/L		116	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	27.8		ug/L		111	74 - 124
Ethylbenzene	25.0	27.4		ug/L		110	77 - 123
Methylene Chloride	25.0	21.9		ug/L		88	57 - 132
Styrene	25.0	27.5		ug/L		110	70 - 130
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	27.2		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	28.1		ug/L		112	72 - 123
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Vinyl chloride	25.0	31.8		ug/L		127	65 - 133
Xylenes, Total	75.0	79.9		ug/L		107	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*
Toluene-d8 (Surr)	*115*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: 480-28079-4 MS
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-7D 110712
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	31.6		ug/L		126	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.2		ug/L		93	70 - 126
1,1,2-Trichloroethane	ND		25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	ND		25.0	23.4		ug/L		94	71 - 129
1,1-Dichloroethene	ND		25.0	25.2		ug/L		101	58 - 121
1,2-Dichloroethane	ND		25.0	24.8		ug/L		99	75 - 127

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

Lab Sample ID: 480-28079-4 MS
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-7D 110712
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	ND		25.0	24.7		ug/L		99	76 - 120
2-Hexanone	ND		125	121		ug/L		97	65 - 127
2-Butanone (MEK)	ND		125	114		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	122		ug/L		97	71 - 125
Acetone	13		125	120		ug/L		86	56 - 142
Benzene	ND		25.0	24.5		ug/L		98	71 - 124
Bromodichloromethane	ND		25.0	26.0		ug/L		104	80 - 122
Bromoform	ND		25.0	24.0		ug/L		96	66 - 128
Bromomethane	ND		25.0	31.4		ug/L		126	55 - 144
Carbon disulfide	ND		25.0	24.2		ug/L		97	59 - 134
Carbon tetrachloride	ND	*	25.0	33.4		ug/L		134	72 - 134
Chlorobenzene	ND		25.0	24.8		ug/L		99	72 - 120
Dibromochloromethane	ND		25.0	25.5		ug/L		102	75 - 125
Chloroethane	ND		25.0	31.7		ug/L		127	69 - 136
Chloroform	ND		25.0	24.9		ug/L		100	73 - 127
Chloromethane	ND		25.0	28.9		ug/L		115	68 - 124
cis-1,2-Dichloroethene	ND		25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	74 - 124
Ethylbenzene	ND		25.0	26.4		ug/L		105	77 - 123
Methylene Chloride	ND		25.0	20.9		ug/L		84	57 - 132
Styrene	ND		25.0	25.9		ug/L		103	70 - 130
Tetrachloroethene	ND		25.0	25.9		ug/L		104	74 - 122
Toluene	ND		25.0	25.3		ug/L		101	80 - 122
trans-1,2-Dichloroethene	ND		25.0	23.3		ug/L		93	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.6		ug/L		102	72 - 123
Trichloroethene	ND		25.0	25.4		ug/L		102	74 - 123
Vinyl chloride	ND		25.0	32.5		ug/L		130	65 - 133
Xylenes, Total	ND		75.0	76.9		ug/L		103	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*
Toluene-d8 (Surr)	*114*		*71 - 126*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*

Lab Sample ID: 480-28079-4 MSD
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-7D 110712
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	34.0	F	ug/L		136	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		25.0	24.3		ug/L		97	70 - 126	5	15
1,1,2-Trichloroethane	ND		25.0	25.8		ug/L		103	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	25.8		ug/L		103	71 - 129	10	20
1,1-Dichloroethene	ND		25.0	27.6		ug/L		110	58 - 121	9	16
1,2-Dichloroethane	ND		25.0	26.0		ug/L		104	75 - 127	5	20
1,2-Dichloropropane	ND		25.0	25.9		ug/L		104	76 - 120	5	20
2-Hexanone	ND		125	121		ug/L		96	65 - 127	0	15
2-Butanone (MEK)	ND		125	114		ug/L		91	57 - 140	0	20

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

Lab Sample ID: 480-28079-4 MSD
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-7D 110712
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		125	121		ug/L		97	71 - 125	0	35
Acetone	13		125	125		ug/L		90	56 - 142	4	15
Benzene	ND		25.0	26.1		ug/L		104	71 - 124	7	13
Bromodichloromethane	ND		25.0	28.1		ug/L		112	80 - 122	8	15
Bromoform	ND		25.0	26.4		ug/L		106	66 - 128	10	15
Bromomethane	ND		25.0	33.8		ug/L		135	55 - 144	7	15
Carbon disulfide	ND		25.0	24.2		ug/L		97	59 - 134	0	15
Carbon tetrachloride	ND	*	25.0	35.7	F	ug/L		143	72 - 134	7	15
Chlorobenzene	ND		25.0	27.0		ug/L		108	72 - 120	8	25
Dibromochloromethane	ND		25.0	27.8		ug/L		111	75 - 125	8	15
Chloroethane	ND		25.0	27.4		ug/L		109	69 - 136	15	15
Chloroform	ND		25.0	26.9		ug/L		108	73 - 127	8	20
Chloromethane	ND		25.0	30.2		ug/L		121	68 - 124	4	15
cis-1,2-Dichloroethene	ND		25.0	25.5		ug/L		102	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	74 - 124	9	15
Ethylbenzene	ND		25.0	28.5		ug/L		114	77 - 123	8	15
Methylene Chloride	ND		25.0	22.8		ug/L		91	57 - 132	9	15
Styrene	ND		25.0	27.8		ug/L		111	70 - 130	7	20
Tetrachloroethene	ND		25.0	27.5		ug/L		110	74 - 122	6	20
Toluene	ND		25.0	27.3		ug/L		109	80 - 122	7	15
trans-1,2-Dichloroethene	ND		25.0	25.6		ug/L		103	73 - 127	10	20
trans-1,3-Dichloropropene	ND		25.0	27.4		ug/L		110	72 - 123	7	15
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123	7	16
Vinyl chloride	ND		25.0	34.5	F	ug/L		138	65 - 133	6	15
Xylenes, Total	ND		75.0	82.3		ug/L		110	76 - 122	7	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*
Toluene-d8 (Surr)	*114*		*71 - 126*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*

Lab Sample ID: 480-28079-12 MS
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-5D 110712
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	34.1	F	ug/L		136	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	25.0		ug/L		100	70 - 126
1,1,2-Trichloroethane	ND		25.0	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	ND		25.0	24.6		ug/L		98	71 - 129
1,1-Dichloroethene	ND		25.0	26.8		ug/L		107	58 - 121
1,2-Dichloroethane	ND		25.0	25.8		ug/L		103	75 - 127
1,2-Dichloropropane	ND		25.0	26.8		ug/L		107	76 - 120
2-Hexanone	ND		125	123		ug/L		98	65 - 127
2-Butanone (MEK)	ND		125	111		ug/L		89	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	120		ug/L		96	71 - 125
Acetone	8.5	J	125	111		ug/L		82	56 - 142
Benzene	ND		25.0	25.9		ug/L		104	71 - 124

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

Lab Sample ID: 480-28079-12 MS
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-5D 110712
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	ND		25.0	27.4		ug/L		109	80 - 122
Bromoform	ND		25.0	24.9		ug/L		100	66 - 128
Bromomethane	ND		25.0	36.5	F	ug/L		146	55 - 144
Carbon disulfide	ND		25.0	23.9		ug/L		96	59 - 134
Carbon tetrachloride	ND	*	25.0	35.0	F	ug/L		140	72 - 134
Chlorobenzene	ND		25.0	26.9		ug/L		107	72 - 120
Dibromochloromethane	ND		25.0	26.8		ug/L		107	75 - 125
Chloroethane	ND		25.0	35.2	F	ug/L		141	69 - 136
Chloroform	ND		25.0	27.0		ug/L		108	73 - 127
Chloromethane	ND		25.0	30.4		ug/L		122	68 - 124
cis-1,2-Dichloroethene	ND		25.0	25.6		ug/L		102	74 - 124
cis-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	74 - 124
Ethylbenzene	ND		25.0	28.3		ug/L		113	77 - 123
Methylene Chloride	ND		25.0	21.9		ug/L		88	57 - 132
Styrene	ND		25.0	28.1		ug/L		112	70 - 130
Tetrachloroethene	ND		25.0	27.1		ug/L		109	74 - 122
Toluene	ND		25.0	26.7		ug/L		107	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.5		ug/L		102	72 - 123
Trichloroethene	ND		25.0	27.4		ug/L		110	74 - 123
Vinyl chloride	ND		25.0	35.8	F	ug/L		143	65 - 133
Xylenes, Total	ND		75.0	82.4		ug/L		110	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*
Toluene-d8 (Surr)	*111*		*71 - 126*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*

Lab Sample ID: 480-28079-12 MSD
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-5D 110712
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	32.5	F	ug/L		130	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		25.0	23.8		ug/L		95	70 - 126	5	15
1,1,2-Trichloroethane	ND		25.0	23.8		ug/L		95	76 - 122	6	15
1,1-Dichloroethane	ND		25.0	23.6		ug/L		95	71 - 129	4	20
1,1-Dichloroethene	ND		25.0	26.2		ug/L		105	58 - 121	2	16
1,2-Dichloroethane	ND		25.0	24.6		ug/L		98	75 - 127	5	20
1,2-Dichloropropane	ND		25.0	24.9		ug/L		99	76 - 120	8	20
2-Hexanone	ND		125	120		ug/L		96	65 - 127	3	15
2-Butanone (MEK)	ND		125	108		ug/L		86	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	ND		125	119		ug/L		95	71 - 125	1	35
Acetone	8.5	J	125	104		ug/L		77	56 - 142	7	15
Benzene	ND		25.0	24.3		ug/L		97	71 - 124	6	13
Bromodichloromethane	ND		25.0	26.4		ug/L		106	80 - 122	4	15
Bromoform	ND		25.0	24.2		ug/L		97	66 - 128	3	15
Bromomethane	ND		25.0	33.6		ug/L		134	55 - 144	8	15

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

Lab Sample ID: 480-28079-12 MSD
Matrix: Water
Analysis Batch: 91740

Client Sample ID: AF-5D 110712
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	ND		25.0	23.1		ug/L		92	59 - 134	3	15
Carbon tetrachloride	ND	*	25.0	33.9	F	ug/L		135	72 - 134	3	15
Chlorobenzene	ND		25.0	25.5		ug/L		102	72 - 120	5	25
Dibromochloromethane	ND		25.0	25.5		ug/L		102	75 - 125	5	15
Chloroethane	ND		25.0	32.4		ug/L		130	69 - 136	8	15
Chloroform	ND		25.0	25.2		ug/L		101	73 - 127	7	20
Chloromethane	ND		25.0	28.5		ug/L		114	68 - 124	6	15
cis-1,2-Dichloroethene	ND		25.0	24.2		ug/L		97	74 - 124	6	15
cis-1,3-Dichloropropene	ND		25.0	24.1		ug/L		97	74 - 124	3	15
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123	4	15
Methylene Chloride	ND		25.0	20.3		ug/L		81	57 - 132	7	15
Styrene	ND		25.0	26.3		ug/L		105	70 - 130	7	20
Tetrachloroethene	ND		25.0	26.6		ug/L		107	74 - 122	2	20
Toluene	ND		25.0	26.2		ug/L		105	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	23.5		ug/L		94	73 - 127	8	20
trans-1,3-Dichloropropene	ND		25.0	24.4		ug/L		98	72 - 123	4	15
Trichloroethene	ND		25.0	25.6		ug/L		102	74 - 123	7	16
Vinyl chloride	ND		25.0	32.8		ug/L		131	65 - 133	9	15
Xylenes, Total	ND		75.0	79.5		ug/L		106	76 - 122	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*
Toluene-d8 (Surr)	*113*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: MB 480-91869/5
Matrix: Water
Analysis Batch: 91869

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			11/20/12 00:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 00:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 00:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/20/12 00:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/20/12 00:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 00:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 00:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 00:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 00:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 00:38	1
Acetone	ND		10	3.0	ug/L			11/20/12 00:38	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 00:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 00:38	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 00:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 00:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 00:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/20/12 00:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 00:38	1

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

Lab Sample ID: MB 480-91869/5
Matrix: Water
Analysis Batch: 91869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 00:38	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 00:38	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 00:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 00:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/20/12 00:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 00:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 00:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 00:38	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 00:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 00:38	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 00:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 00:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 00:38	1
Trichloroethene	ND		1.0	0.46	ug/L			11/20/12 00:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 00:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 00:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/20/12 00:38*	*1*
Toluene-d8 (Surr)	*108*		*71 - 126*		*11/20/12 00:38*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/20/12 00:38*	*1*

Lab Sample ID: LCS 480-91869/4
Matrix: Water
Analysis Batch: 91869

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	31.4		ug/L		126	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	70 - 126
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.0		ug/L		96	71 - 129
1,1-Dichloroethene	25.0	24.5		ug/L		98	58 - 121
1,2-Dichloroethane	25.0	25.9		ug/L		104	75 - 127
1,2-Dichloropropane	25.0	24.6		ug/L		98	76 - 120
2-Hexanone	125	113		ug/L		90	65 - 127
2-Butanone (MEK)	125	106		ug/L		85	57 - 140
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	104		ug/L		83	56 - 142
Benzene	25.0	24.3		ug/L		97	71 - 124
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Bromoform	25.0	25.3		ug/L		101	66 - 128
Bromomethane	25.0	34.9		ug/L		140	55 - 144
Carbon disulfide	25.0	20.1		ug/L		81	59 - 134
Carbon tetrachloride	25.0	35.7	*	ug/L		143	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	72 - 120
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Chloroethane	25.0	27.2		ug/L		109	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127

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

Lab Sample ID: LCS 480-91869/4
Matrix: Water
Analysis Batch: 91869

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	25.0	25.4		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	27.6		ug/L		110	74 - 124
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123
Methylene Chloride	25.0	21.4		ug/L		86	57 - 132
Styrene	25.0	26.7		ug/L		107	70 - 130
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	72 - 123
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Vinyl chloride	25.0	29.3		ug/L		117	65 - 133
Xylenes, Total	75.0	75.7		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*
Toluene-d8 (Surr)	*112*		*71 - 126*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*

Lab Sample ID: MB 480-91979/5
Matrix: Water
Analysis Batch: 91979

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			11/20/12 13:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 13:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 13:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/20/12 13:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/20/12 13:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 13:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 13:06	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 13:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 13:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 13:06	1
Acetone	ND		10	3.0	ug/L			11/20/12 13:06	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 13:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 13:06	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 13:06	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 13:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 13:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/20/12 13:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 13:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 13:06	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 13:06	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 13:06	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 13:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/20/12 13:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 13:06	1

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

Lab Sample ID: MB 480-91979/5
Matrix: Water
Analysis Batch: 91979

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 13:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 13:06	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 13:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 13:06	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 13:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 13:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 13:06	1
Trichloroethene	ND		1.0	0.46	ug/L			11/20/12 13:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 13:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 13:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*		*11/20/12 13:06*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*11/20/12 13:06*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/20/12 13:06*	*1*

Lab Sample ID: LCS 480-91979/4
Matrix: Water
Analysis Batch: 91979

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	29.5		ug/L		118	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	70 - 126
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	21.2		ug/L		85	71 - 129
1,1-Dichloroethene	25.0	22.6		ug/L		90	58 - 121
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 127
1,2-Dichloropropane	25.0	22.5		ug/L		90	76 - 120
2-Hexanone	125	102		ug/L		82	65 - 127
2-Butanone (MEK)	125	91.4		ug/L		73	57 - 140
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	91.3		ug/L		73	56 - 142
Benzene	25.0	22.0		ug/L		88	71 - 124
Bromodichloromethane	25.0	25.0		ug/L		100	80 - 122
Bromoform	25.0	25.7		ug/L		103	66 - 128
Bromomethane	25.0	34.4		ug/L		138	55 - 144
Carbon disulfide	25.0	18.3		ug/L		73	59 - 134
Carbon tetrachloride	25.0	33.2		ug/L		133	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	72 - 120
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125
Chloroethane	25.0	22.7		ug/L		91	69 - 136
Chloroform	25.0	23.4		ug/L		93	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	25.3		ug/L		101	74 - 124
Ethylbenzene	25.0	24.6		ug/L		99	77 - 123
Methylene Chloride	25.0	19.7		ug/L		79	57 - 132
Styrene	25.0	24.9		ug/L		99	70 - 130

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

Lab Sample ID: LCS 480-91979/4
Matrix: Water
Analysis Batch: 91979

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	20.7		ug/L		83	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	72 - 123
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Vinyl chloride	25.0	25.9		ug/L		104	65 - 133
Xylenes, Total	75.0	73.5		ug/L		98	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*
Toluene-d8 (Surr)	*115*		*71 - 126*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

GC/MS VOA

Analysis Batch: 91740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28079-1	TRIP BLANK 110712	Total/NA	Water	8260B	
480-28079-3	AF-7S 110712	Total/NA	Water	8260B	
480-28079-4	AF-7D 110712	Total/NA	Water	8260B	
480-28079-4 MS	AF-7D 110712	Total/NA	Water	8260B	
480-28079-4 MSD	AF-7D 110712	Total/NA	Water	8260B	
480-28079-5	ADW-7D 110712	Total/NA	Water	8260B	
480-28079-6	OSMW-3S 110712	Total/NA	Water	8260B	
480-28079-7	OSMW-3D 110712	Total/NA	Water	8260B	
480-28079-8	TMW-1S 110712	Total/NA	Water	8260B	
480-28079-9	TMW-1D 110712	Total/NA	Water	8260B	
480-28079-11	AF-5S 110712	Total/NA	Water	8260B	
480-28079-12	AF-5D 110712	Total/NA	Water	8260B	
480-28079-12 MS	AF-5D 110712	Total/NA	Water	8260B	
480-28079-12 MSD	AF-5D 110712	Total/NA	Water	8260B	
480-28079-13	ADW-5D 110712	Total/NA	Water	8260B	
480-28079-15	TMW-2S 110712	Total/NA	Water	8260B	
480-28079-16	TMW-2D 110712	Total/NA	Water	8260B	
LCS 480-91740/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-91740/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 91869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28079-2	AF-7P 110712	Total/NA	Water	8260B	
480-28079-10	AF-5P 110712	Total/NA	Water	8260B	
480-28079-14	AF-25P 110712	Total/NA	Water	8260B	
480-28079-16 - DL	TMW-2D 110712	Total/NA	Water	8260B	
480-28079-17	AF-21D 110712	Total/NA	Water	8260B	
480-28079-18	AF-9S 110712	Total/NA	Water	8260B	
480-28079-19	AF-2P 110712	Total/NA	Water	8260B	
480-28079-20	AF-3P 110712	Total/NA	Water	8260B	
480-28079-21	AF-24P 110712	Total/NA	Water	8260B	
480-28079-22	AF-23P 110712	Total/NA	Water	8260B	
480-28079-23	AOC-PSTMW-15R 110712	Total/NA	Water	8260B	
480-28079-24	AOC-PSTMW-2S 110712	Total/NA	Water	8260B	
LCS 480-91869/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-91869/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 91979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28079-21 - DL	AF-24P 110712	Total/NA	Water	8260B	
LCS 480-91979/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-91979/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: TRIP BLANK 110712 — Lab Sample ID: 480-28079-1

Date Collected: 11/07/12 00:00 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 12:09	RL	TAL BUF

Client Sample ID: AF-7P 110712 — Lab Sample ID: 480-28079-2

Date Collected: 11/07/12 09:15 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91869	11/20/12 01:18	LH	TAL BUF

Client Sample ID: AF-7S 110712 — Lab Sample ID: 480-28079-3

Date Collected: 11/07/12 09:20 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	91740	11/19/12 12:57	RL	TAL BUF

Client Sample ID: AF-7D 110712 — Lab Sample ID: 480-28079-4

Date Collected: 11/07/12 09:25 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 13:21	RL	TAL BUF

Client Sample ID: ADW-7D 110712 — Lab Sample ID: 480-28079-5

Date Collected: 11/07/12 09:30 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 14:33	RL	TAL BUF

Client Sample ID: OSMW-3S 110712 — Lab Sample ID: 480-28079-6

Date Collected: 11/07/12 09:35 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 14:57	RL	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: OSMW-3D 110712 — Lab Sample ID: 480-28079-7

Date Collected: 11/07/12 09:40 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 15:21	RL	TAL BUF

Client Sample ID: TMW-1S 110712 — Lab Sample ID: 480-28079-8

Date Collected: 11/07/12 10:00 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 15:45	RL	TAL BUF

Client Sample ID: TMW-1D 110712 — Lab Sample ID: 480-28079-9

Date Collected: 11/07/12 10:05 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 16:09	RL	TAL BUF

Client Sample ID: AF-5P 110712 — Lab Sample ID: 480-28079-10

Date Collected: 11/07/12 10:55 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	91869	11/20/12 01:43	LH	TAL BUF

Client Sample ID: AF-5S 110712 — Lab Sample ID: 480-28079-11

Date Collected: 11/07/12 11:00 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 16:57	RL	TAL BUF

Client Sample ID: AF-5D 110712 — Lab Sample ID: 480-28079-12

Date Collected: 11/07/12 11:05 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 17:21	RL	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: ADW-5D 110712 — Lab Sample ID: 480-28079-13

Date Collected: 11/07/12 11:10 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 18:32	RL	TAL BUF

Client Sample ID: AF-25P 110712 — Lab Sample ID: 480-28079-14

Date Collected: 11/07/12 12:15 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	91869	11/20/12 02:06	LH	TAL BUF

Client Sample ID: TMW-2S 110712 — Lab Sample ID: 480-28079-15

Date Collected: 11/07/12 13:00 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 19:21	RL	TAL BUF

Client Sample ID: TMW-2D 110712 — Lab Sample ID: 480-28079-16

Date Collected: 11/07/12 13:05 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91740	11/19/12 19:45	RL	TAL BUF
Total/NA	Analysis	8260B	DL	10	91869	11/20/12 02:30	LH	TAL BUF

Client Sample ID: AF-21D 110712 — Lab Sample ID: 480-28079-17

Date Collected: 11/07/12 13:35 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91869	11/20/12 02:54	LH	TAL BUF

Client Sample ID: AF-9S 110712 — Lab Sample ID: 480-28079-18

Date Collected: 11/07/12 13:45 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91869	11/20/12 03:18	LH	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Client Sample ID: AF-2P 110712 — Lab Sample ID: 480-28079-19

Date Collected: 11/07/12 14:45 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91869	11/20/12 03:41	LH	TAL BUF

Client Sample ID: AF-3P 110712 — Lab Sample ID: 480-28079-20

Date Collected: 11/07/12 14:55 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91869	11/20/12 04:05	LH	TAL BUF

Client Sample ID: AF-24P 110712 — Lab Sample ID: 480-28079-21

Date Collected: 11/07/12 15:20 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	91869	11/20/12 04:29	LH	TAL BUF
Total/NA	Analysis	8260B	DL	10	91979	11/20/12 13:52	RL	TAL BUF

Client Sample ID: AF-23P 110712 — Lab Sample ID: 480-28079-22

Date Collected: 11/07/12 15:45 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	91869	11/20/12 04:53	LH	TAL BUF

Client Sample ID: AOC-PSTMW-15R 110712 — Lab Sample ID: 480-28079-23

Date Collected: 11/07/12 16:05 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91869	11/20/12 05:17	LH	TAL BUF

Client Sample ID: AOC-PSTMW-2S 110712 — Lab Sample ID: 480-28079-24

Date Collected: 11/07/12 16:25 — **Matrix: Water**
Date Received: 11/08/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	91869	11/20/12 05:40	LH	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: 480-28079-1
SDG: 480-28079

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	07-06-13
California	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-13
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28079-1
SDG: 480-28079

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (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: 480-28079-1
SDG: 480-28079

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28079-1	TRIP BLANK 110712	Water	11/07/12 00:00	11/08/12 09:00
480-28079-2	AF-7P 110712	Water	11/07/12 09:15	11/08/12 09:00
480-28079-3	AF-7S 110712	Water	11/07/12 09:20	11/08/12 09:00
480-28079-4	AF-7D 110712	Water	11/07/12 09:25	11/08/12 09:00
480-28079-5	ADW-7D 110712	Water	11/07/12 09:30	11/08/12 09:00
480-28079-6	OSMW-3S 110712	Water	11/07/12 09:35	11/08/12 09:00
480-28079-7	OSMW-3D 110712	Water	11/07/12 09:40	11/08/12 09:00
480-28079-8	TMW-1S 110712	Water	11/07/12 10:00	11/08/12 09:00
480-28079-9	TMW-1D 110712	Water	11/07/12 10:05	11/08/12 09:00
480-28079-10	AF-5P 110712	Water	11/07/12 10:55	11/08/12 09:00
480-28079-11	AF-5S 110712	Water	11/07/12 11:00	11/08/12 09:00
480-28079-12	AF-5D 110712	Water	11/07/12 11:05	11/08/12 09:00
480-28079-13	ADW-5D 110712	Water	11/07/12 11:10	11/08/12 09:00
480-28079-14	AF-25P 110712	Water	11/07/12 12:15	11/08/12 09:00
480-28079-15	TMW-2S 110712	Water	11/07/12 13:00	11/08/12 09:00
480-28079-16	TMW-2D 110712	Water	11/07/12 13:05	11/08/12 09:00
480-28079-17	AF-21D 110712	Water	11/07/12 13:35	11/08/12 09:00
480-28079-18	AF-9S 110712	Water	11/07/12 13:45	11/08/12 09:00
480-28079-19	AF-2P 110712	Water	11/07/12 14:45	11/08/12 09:00
480-28079-20	AF-3P 110712	Water	11/07/12 14:55	11/08/12 09:00
480-28079-21	AF-24P 110712	Water	11/07/12 15:20	11/08/12 09:00
480-28079-22	AF-23P 110712	Water	11/07/12 15:45	11/08/12 09:00
480-28079-23	AOC-PSTMW-15R 110712	Water	11/07/12 16:05	11/08/12 09:00
480-28079-24	AOC-PSTMW-2S 110712	Water	11/07/12 16:25	11/08/12 09:00

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-28079-1
SDG Number: 480-28079

Login Number: 28079
List Number: 1
Creator: Janish, Carl

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	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: O'Brien + Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Schneider	Lab Contact: John Shove
Address: 8805 Governor's Hill Dr. Ste 164	Telephone: 248-477-5701	Telephone: (734) 306-9685	Telephone: 716-691-2600
City/State/Zip: Cincinnati, OH 45249	Email: Anthony.Finch@obg.com		
Phone: 513-697-2020			
Project Name: GE Semi Annual Event	Method of Shipment/Carrier: FedEx Overnight		
Project Number: 118566	Shipping/Tracking No: 8001 2907 3645		
PO# 11210086			

COC No: 1 of 3 COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below
☐ 3 weeks
☒ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Analyses: VOCs (8260B)

For lab use only: Walk-in client; Lab sampling; Job/SDG No.

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite-C/Grab-G	VOCs (8260B)	Sample Specific Notes / Special Instructions:
Trip Blank 110712	11/7/12	--		X						2					N	G	X	
AF-7P 110712		0915		X						3					N	G	X	
AF-7S 110712		0920		X						3					N	G	X	
AF-7D 110712		0925		X						3					N	G	X	
AF-7D 110712 (MS/MSD)		0925		X						6					N	G	X	
ADW-7D 110712		0930		X						3					N	G	X	
OSMW-3S 110712		0935		X						3					N	G	X	
OSMW-3D 110712		0940		X						3					N	G	X	
TMW-1S 110712		1000		X						3					N	G	X	
TMW-1D 110712	↓	1005		X						3					N	G	X	

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

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

Special Instructions/QC Requirements & Comments:
Analysis per QAPP; Level III data package, Please send hard copy of data to Karen Stone
Some samples may contain small bubbles which could not be removed

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	O'Brien + Gere	11/7/12 1715	[signature]	[signature]	11/8/12 0900
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by:	Company	Date/Time	Received in Laboratory by:	Company	Date/Time

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TAL-0018 (1008)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: O'Brien + Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Schneider	Lab Contact: John Shove	COC No:
Address: 8805 Governor's Hill Dr. Ste. 164	Telephone: 248-477-5701	Telephone: (734) 306-9635	Telephone: (716) 691-2600	2 of 3 COCs
City/State/Zip: Cincinnati, OH 45249	Email: Anthony.Finch@obg.com	Analysis Turnaround Time (In BUS days)	Analyses	
Phone: 513-697-2020		TAT if different from below ____ ☐ 3 weeks ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		
Project Name: GE Semi Annual Event.	Method of Shipment/Carrier: FedEx Overnight			
Project Number: 48566	Shipping/Tracking No: 8001 2903 3645			
PO# 11210086				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite-C / Grab-G	(8260B) VOCs									Sample Specific Notes / Special Instructions:
AF-5P 110712	11/7/12	1055		X						3					N	G	X									
AF-5S 110712		1100		X						3					N	G	X									
AF-5D 110712		1105		X						3					N	G	X									
AF-5D 110712 (MS/MSD)		1105		X						6					N	G	X									
ADW-5D 110712		1110		X						3					N	G	X									
AF-25P 110712		1215		X						3					N	G	X									
TMW-25 110712		1300		X						3					N	G	X									
TMW-2D 110712		1305		X						3					N	G	X									
AF-21D 110712		1335		X						3					N	G	X									
AF-9S 110712		1345		X						3					N	G	X									

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

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

Special Instructions/QC Requirements & Comments:

Analysis per QAPP; Level III data package; Please send hard copy to Karen Storne
Some samples may contain small bubbles which could not be removed

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	O'Brien & Gere	11/7/12 1715	[signature]	[signature]	11/8/12 0700
Relinquished by:	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TAL-0018 (1008)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: O'Brien + Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Schneider	Lab Contact: John Shove
Address: 8805 Governor's Hill Dr. Suite 164	Telephone: 248-477-5701	Telephone: (734) 306-9685	Telephone: (716) 691-2600
City/State/Zip: Cincinnati, OH 45249	Email: Anthony.Finch@obg.com		
Phone: 513-697-2020			
Project Name: GE Semi Annual Event	Method of Shipment/Carrier: Fedex overnight		
Project Number: 48566	Shipping/Tracking No: 8001 2903 3645		
PO# 11210086			

COC No: 3 of 3 COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below _____
☐ 3 weeks
☒ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only: Walk-in client ☐ Lab picking ☐ Lab sampling ☐ Job/SDG No.

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	Analyses: VOCs (8260B)	Sample Specific Notes / Special Instructions:
AF-2P 110712	11/7/12	1445		X						3					N	G	X	
AF-3P 110712		1455		X						3					N	G	X	
AF-24P 110712		1520		X						3					N	G	X	
AF-23P 110712		1545		X						3					N	G	X	
AOC PSTMW-15R 110712		1605		X						3					N	G	X	
AOC PSTMW-25 110712		1625		X						3					N	G	X	

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

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

Special Instructions/QC Requirements & Comments:
Analysis per QAPP; Level III data package; Please send hard copy to Karen Storne
Some samples may contain small bubbles which could not be removed

Relinquished by:	Company	Date/Time:	Received by:	Company	Date/Time:
K Gill	O'Brien + Gere	11/7/12 1715	[illegible]	[illegible]	11/8/12 0900
Relinquished by:	Company:	Date/Time	Received by	Company	Date/Time.
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company	Date/Time

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TAL-0018 (1008)

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: 480-28148-1
TestAmerica Sample Delivery Group: 480-28148
Client Project/Site: GE Semi Annual Event

For:
O'Brien & Gere Inc of North America
37000 Grand River Ave
Suite 260
Farmington Hills, Michigan 48335

Attn: Mr. Tony Finch

Authorized for release by:
11/28/2012 10:21:52 AM
Robert Wienke
Project Administrator
robert.wienke@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

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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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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
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: 480-28148-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-28148-1

Comments
No additional comments.

Receipt
The samples were received on 11/9/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) for batch 92093 exceeded control limits for the following analytes: Bromomethane, 1,1,1Trichloroethene and Carbon Tetrachloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: (480-28148-2 MS), (480-28148-2 MSD), AOL LDMW-15 110812 (480-28148-2), H-221 110812 (480-28148-9), OSMW-1S 110812 (480-28148-4), OSMW-5D 110812 (480-28148-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 92181 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 92181 was outside control limits.

Method(s) 8260B: The laboratory control sample (LCS) for batch 92181 exceeded control limits for the following analytes: Bromomethane and Carbon tetrachloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: TRIP BLANK 110812 — Lab Sample ID: 480-28148-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: AOL LDMW-15 110812 — Lab Sample ID: 480-28148-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	760		10	8.2	ug/L	10		8260B	Total/NA
1,1-Dichloroethane	28		10	3.8	ug/L	10		8260B	Total/NA
1,1-Dichloroethene	68		10	2.9	ug/L	10		8260B	Total/NA
Chloroform	4.4	J	10	3.4	ug/L	10		8260B	Total/NA
Methylene Chloride	4.8	J	10	4.4	ug/L	10		8260B	Total/NA
Trichloroethene	490		10	4.6	ug/L	10		8260B	Total/NA

Client Sample ID: OSMW-1P 110812 — Lab Sample ID: 480-28148-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.9		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	5.8	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-1S 110812 — Lab Sample ID: 480-28148-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.5		2.0	0.76	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	140		2.0	1.6	ug/L	2		8260B	Total/NA
Vinyl chloride	100		2.0	1.8	ug/L	2		8260B	Total/NA

Client Sample ID: OSMW-4S 110812 — Lab Sample ID: 480-28148-5

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		8260B	Total/NA
Acetone	4.0	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.4		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	22		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-1D 110812 — Lab Sample ID: 480-28148-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.7		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	4.6	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	35		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-4D 110812 — Lab Sample ID: 480-28148-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	8.0		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.9		1.0	0.29	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	7.9		1.0	0.90	ug/L	1		8260B	Total/NA
Vinyl chloride	88		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-2P 110812 — Lab Sample ID: 480-28148-8

Client Sample ID: OSMW-2P 110812 (Continued) — Lab Sample ID: 480-28148-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.5		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	3.1	J	10	3.0	ug/L	1		8260B	Total/NA
Benzene	0.50	J	1.0	0.41	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	30		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: H-221 110812 — Lab Sample ID: 480-28148-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	74		2.0	1.6	ug/L	2		8260B	Total/NA
1,1-Dichloroethane	5.3		2.0	0.76	ug/L	2		8260B	Total/NA
1,1-Dichloroethene	4.8		2.0	0.58	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	3.9		2.0	1.6	ug/L	2		8260B	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260B	Total/NA

Client Sample ID: OSMW-8S 110812 — Lab Sample ID: 480-28148-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.8		1.0	0.38	ug/L	1		8260B	Total/NA
Vinyl chloride	4.2		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-5D 110812 — Lab Sample ID: 480-28148-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.62	J	2.0	0.58	ug/L	2		8260B	Total/NA
cis-1,2-Dichloroethene	170		2.0	1.6	ug/L	2		8260B	Total/NA
trans-1,2-Dichloroethene	5.9		2.0	1.8	ug/L	2		8260B	Total/NA
Vinyl chloride	8.9		2.0	1.8	ug/L	2		8260B	Total/NA

Client Sample ID: OSMW-8D 110812 — Lab Sample ID: 480-28148-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	3.0	ug/L	1		8260B	Total/NA
Vinyl chloride	46		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-5S 110812 — Lab Sample ID: 480-28148-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.7		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	3.7	J	10	3.0	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.81	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.96	J	1.0	0.90	ug/L	1		8260B	Total/NA
Vinyl chloride	8.2		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-7D 110812 — Lab Sample ID: 480-28148-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J	10	3.0	ug/L	1		8260B	Total/NA
Vinyl chloride	7.0		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-6S 110812 — Lab Sample ID: 480-28148-15

Client Sample ID: OSMW-6S 110812 (Continued) — Lab Sample ID: 480-28148-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.7		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	9.8		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	8.9	J	10	3.0	ug/L	1		8260B	Total/NA
Chloroethane	14		1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	67		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	14		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample ID: OSMW-6D 110812 — Lab Sample ID: 480-28148-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.0		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.0		1.0	0.29	ug/L	1		8260B	Total/NA
Acetone	7.0	J	10	3.0	ug/L	1		8260B	Total/NA
Chloroethane	4.1		1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.81	ug/L	1		8260B	Total/NA
Vinyl chloride	75		1.0	0.90	ug/L	1		8260B	Total/NA

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: TRIP BLANK 110812

Lab Sample ID: 480-28148-1

Date Collected: 11/08/12 00:00
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/21/12 02:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 02:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 02:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/21/12 02:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 02:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 02:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 02:05	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 02:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 02:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 02:05	1
Acetone	**14**		10	3.0	ug/L			11/21/12 02:05	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 02:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 02:05	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 02:05	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 02:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 02:05	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 02:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 02:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 02:05	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 02:05	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 02:05	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 02:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/21/12 02:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 02:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 02:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 02:05	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 02:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 02:05	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 02:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 02:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 02:05	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 02:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/21/12 02:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*		*11/21/12 02:05*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/21/12 02:05*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/21/12 02:05*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: AOL LDMW-15 110812

Lab Sample ID: 480-28148-2

Date Collected: 11/08/12 08:30

Matrix: Water

Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**760**		10	8.2	ug/L			11/21/12 15:37	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			11/21/12 15:37	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			11/21/12 15:37	10
1,1-Dichloroethane	**28**		10	3.8	ug/L			11/21/12 15:37	10
1,1-Dichloroethene	**68**		10	2.9	ug/L			11/21/12 15:37	10
1,2-Dichloroethane	ND		10	2.1	ug/L			11/21/12 15:37	10
1,2-Dichloropropane	ND		10	7.2	ug/L			11/21/12 15:37	10
2-Hexanone	ND		50	12	ug/L			11/21/12 15:37	10
2-Butanone (MEK)	ND		100	13	ug/L			11/21/12 15:37	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			11/21/12 15:37	10
Acetone	ND		100	30	ug/L			11/21/12 15:37	10
Benzene	ND		10	4.1	ug/L			11/21/12 15:37	10
Bromodichloromethane	ND		10	3.9	ug/L			11/21/12 15:37	10
Bromoform	ND		10	2.6	ug/L			11/21/12 15:37	10
Bromomethane	ND	*	10	6.9	ug/L			11/21/12 15:37	10
Carbon disulfide	ND		10	1.9	ug/L			11/21/12 15:37	10
Carbon tetrachloride	ND	*	10	2.7	ug/L			11/21/12 15:37	10
Chlorobenzene	ND		10	7.5	ug/L			11/21/12 15:37	10
Dibromochloromethane	ND		10	3.2	ug/L			11/21/12 15:37	10
Chloroethane	ND		10	3.2	ug/L			11/21/12 15:37	10
Chloroform	**4.4**	**J**	10	3.4	ug/L			11/21/12 15:37	10
Chloromethane	ND		10	3.5	ug/L			11/21/12 15:37	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			11/21/12 15:37	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			11/21/12 15:37	10
Ethylbenzene	ND		10	7.4	ug/L			11/21/12 15:37	10
Methylene Chloride	**4.8**	**J**	10	4.4	ug/L			11/21/12 15:37	10
Styrene	ND		10	7.3	ug/L			11/21/12 15:37	10
Tetrachloroethene	ND		10	3.6	ug/L			11/21/12 15:37	10
Toluene	ND		10	5.1	ug/L			11/21/12 15:37	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			11/21/12 15:37	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			11/21/12 15:37	10
Trichloroethene	**490**		10	4.6	ug/L			11/21/12 15:37	10
Vinyl chloride	ND		10	9.0	ug/L			11/21/12 15:37	10
Xylenes, Total	ND		20	6.6	ug/L			11/21/12 15:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*11/21/12 15:37*	*10*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/21/12 15:37*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/21/12 15:37*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-1P 110812

Lab Sample ID: 480-28148-3

Date Collected: 11/08/12 08:45
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/21/12 02:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 02:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 02:53	1
1,1-Dichloroethane	**2.9**		1.0	0.38	ug/L			11/21/12 02:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 02:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 02:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 02:53	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 02:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 02:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 02:53	1
Acetone	**5.8**	**J**	10	3.0	ug/L			11/21/12 02:53	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 02:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 02:53	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 02:53	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 02:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 02:53	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 02:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 02:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 02:53	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 02:53	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 02:53	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 02:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/21/12 02:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 02:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 02:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 02:53	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 02:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 02:53	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 02:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 02:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 02:53	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 02:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/21/12 02:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 02:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/21/12 02:53*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/21/12 02:53*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/21/12 02:53*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-1S 110812

Lab Sample ID: 480-28148-4

Date Collected: 11/08/12 08:50
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			11/21/12 16:01	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/21/12 16:01	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/21/12 16:01	2
1,1-Dichloroethane	**3.5**		2.0	0.76	ug/L			11/21/12 16:01	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			11/21/12 16:01	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/21/12 16:01	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/21/12 16:01	2
2-Hexanone	ND		10	2.5	ug/L			11/21/12 16:01	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/21/12 16:01	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/21/12 16:01	2
Acetone	ND		20	6.0	ug/L			11/21/12 16:01	2
Benzene	ND		2.0	0.82	ug/L			11/21/12 16:01	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/21/12 16:01	2
Bromoform	ND		2.0	0.52	ug/L			11/21/12 16:01	2
Bromomethane	ND	*	2.0	1.4	ug/L			11/21/12 16:01	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/21/12 16:01	2
Carbon tetrachloride	ND	*	2.0	0.54	ug/L			11/21/12 16:01	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/21/12 16:01	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/21/12 16:01	2
Chloroethane	ND		2.0	0.64	ug/L			11/21/12 16:01	2
Chloroform	ND		2.0	0.68	ug/L			11/21/12 16:01	2
Chloromethane	ND		2.0	0.70	ug/L			11/21/12 16:01	2
cis-1,2-Dichloroethene	**140**		2.0	1.6	ug/L			11/21/12 16:01	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/21/12 16:01	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/21/12 16:01	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/21/12 16:01	2
Styrene	ND		2.0	1.5	ug/L			11/21/12 16:01	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/21/12 16:01	2
Toluene	ND		2.0	1.0	ug/L			11/21/12 16:01	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/21/12 16:01	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/21/12 16:01	2
Trichloroethene	ND		2.0	0.92	ug/L			11/21/12 16:01	2
Vinyl chloride	**100**		2.0	1.8	ug/L			11/21/12 16:01	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/21/12 16:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*11/21/12 16:01*	*2*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/21/12 16:01*	*2*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/21/12 16:01*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-4S 110812

Lab Sample ID: 480-28148-5

Date Collected: 11/08/12 08:52
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/21/12 03:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 03:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 03:40	1
1,1-Dichloroethane	**0.88**	**J**	1.0	0.38	ug/L			11/21/12 03:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 03:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 03:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 03:40	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 03:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 03:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 03:40	1
Acetone	**4.0**	**J**	10	3.0	ug/L			11/21/12 03:40	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 03:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 03:40	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 03:40	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 03:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 03:40	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 03:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 03:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 03:40	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 03:40	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 03:40	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 03:40	1
cis-1,2-Dichloroethene	**3.4**		1.0	0.81	ug/L			11/21/12 03:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 03:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 03:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 03:40	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 03:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 03:40	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 03:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 03:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 03:40	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 03:40	1
Vinyl chloride	**22**		1.0	0.90	ug/L			11/21/12 03:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/21/12 03:40*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/21/12 03:40*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/21/12 03:40*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-1D 110812

Lab Sample ID: 480-28148-6

Date Collected: 11/08/12 08:55
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 16:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 16:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 16:24	1
1,1-Dichloroethane	**2.7**		1.0	0.38	ug/L			11/21/12 16:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 16:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 16:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 16:24	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 16:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 16:24	1
Acetone	**4.6**	**J**	10	3.0	ug/L			11/21/12 16:24	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 16:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 16:24	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 16:24	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 16:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 16:24	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 16:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 16:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 16:24	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 16:24	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 16:24	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 16:24	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			11/21/12 16:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 16:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 16:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 16:24	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 16:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 16:24	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 16:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 16:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 16:24	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 16:24	1
Vinyl chloride	**35**		1.0	0.90	ug/L			11/21/12 16:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*		*11/21/12 16:24*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/21/12 16:24*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/21/12 16:24*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-4D 110812

Lab Sample ID: 480-28148-7

Date Collected: 11/08/12 09:05
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.0	0.82	ug/L			11/21/12 04:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 04:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 04:28	1
1,1-Dichloroethane	**8.0**		1.0	0.38	ug/L			11/21/12 04:28	1
1,1-Dichloroethene	**1.9**		1.0	0.29	ug/L			11/21/12 04:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 04:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 04:28	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 04:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 04:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 04:28	1
Acetone	ND		10	3.0	ug/L			11/21/12 04:28	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 04:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 04:28	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 04:28	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 04:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 04:28	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 04:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 04:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 04:28	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 04:28	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 04:28	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 04:28	1
cis-1,2-Dichloroethene	**37**		1.0	0.81	ug/L			11/21/12 04:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 04:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 04:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 04:28	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 04:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 04:28	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 04:28	1
trans-1,2-Dichloroethene	**7.9**		1.0	0.90	ug/L			11/21/12 04:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 04:28	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 04:28	1
Vinyl chloride	**88**		1.0	0.90	ug/L			11/21/12 04:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*66 - 137*		*11/21/12 04:28*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/21/12 04:28*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/21/12 04:28*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-2P 110812

Lab Sample ID: 480-28148-8

Date Collected: 11/08/12 09:15
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 16:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 16:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 16:49	1
1,1-Dichloroethane	**5.5**		1.0	0.38	ug/L			11/21/12 16:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 16:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 16:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 16:49	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 16:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 16:49	1
Acetone	**3.1**	**J**	10	3.0	ug/L			11/21/12 16:49	1
Benzene	**0.50**	**J**	1.0	0.41	ug/L			11/21/12 16:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 16:49	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 16:49	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 16:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 16:49	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 16:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 16:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 16:49	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 16:49	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 16:49	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 16:49	1
cis-1,2-Dichloroethene	**20**		1.0	0.81	ug/L			11/21/12 16:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 16:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 16:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 16:49	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 16:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 16:49	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 16:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 16:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 16:49	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 16:49	1
Vinyl chloride	**30**		1.0	0.90	ug/L			11/21/12 16:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*11/21/12 16:49*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/21/12 16:49*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/21/12 16:49*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: H-221 110812

Lab Sample ID: 480-28148-9

Date Collected: 11/08/12 09:30
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**74**		2.0	1.6	ug/L			11/21/12 17:12	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/21/12 17:12	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/21/12 17:12	2
1,1-Dichloroethane	**5.3**		2.0	0.76	ug/L			11/21/12 17:12	2
1,1-Dichloroethene	**4.8**		2.0	0.58	ug/L			11/21/12 17:12	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/21/12 17:12	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/21/12 17:12	2
2-Hexanone	ND		10	2.5	ug/L			11/21/12 17:12	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/21/12 17:12	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/21/12 17:12	2
Acetone	ND		20	6.0	ug/L			11/21/12 17:12	2
Benzene	ND		2.0	0.82	ug/L			11/21/12 17:12	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/21/12 17:12	2
Bromoform	ND		2.0	0.52	ug/L			11/21/12 17:12	2
Bromomethane	ND	*	2.0	1.4	ug/L			11/21/12 17:12	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/21/12 17:12	2
Carbon tetrachloride	ND	*	2.0	0.54	ug/L			11/21/12 17:12	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/21/12 17:12	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/21/12 17:12	2
Chloroethane	ND		2.0	0.64	ug/L			11/21/12 17:12	2
Chloroform	ND		2.0	0.68	ug/L			11/21/12 17:12	2
Chloromethane	ND		2.0	0.70	ug/L			11/21/12 17:12	2
cis-1,2-Dichloroethene	**3.9**		2.0	1.6	ug/L			11/21/12 17:12	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/21/12 17:12	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/21/12 17:12	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/21/12 17:12	2
Styrene	ND		2.0	1.5	ug/L			11/21/12 17:12	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/21/12 17:12	2
Toluene	ND		2.0	1.0	ug/L			11/21/12 17:12	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/21/12 17:12	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/21/12 17:12	2
Trichloroethene	**110**		2.0	0.92	ug/L			11/21/12 17:12	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/21/12 17:12	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/21/12 17:12	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*		*11/21/12 17:12*	*2*
Toluene-d8 (Surr)	*109*		*71 - 126*		*11/21/12 17:12*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/21/12 17:12*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-8S 110812

Lab Sample ID: 480-28148-10

Date Collected: 11/08/12 09:32
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 17:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 17:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 17:37	1
1,1-Dichloroethane	**1.8**		1.0	0.38	ug/L			11/21/12 17:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 17:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 17:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 17:37	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 17:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 17:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 17:37	1
Acetone	ND		10	3.0	ug/L			11/21/12 17:37	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 17:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 17:37	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 17:37	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 17:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 17:37	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 17:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 17:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 17:37	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 17:37	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 17:37	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 17:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/21/12 17:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 17:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 17:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 17:37	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 17:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 17:37	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 17:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 17:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 17:37	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 17:37	1
Vinyl chloride	**4.2**		1.0	0.90	ug/L			11/21/12 17:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*		*11/21/12 17:37*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/21/12 17:37*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/21/12 17:37*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-5D 110812

Lab Sample ID: 480-28148-11

Date Collected: 11/08/12 09:45
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			11/21/12 18:00	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/21/12 18:00	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/21/12 18:00	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			11/21/12 18:00	2
1,1-Dichloroethene	**0.62**	**J**	2.0	0.58	ug/L			11/21/12 18:00	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/21/12 18:00	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/21/12 18:00	2
2-Hexanone	ND		10	2.5	ug/L			11/21/12 18:00	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/21/12 18:00	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/21/12 18:00	2
Acetone	ND		20	6.0	ug/L			11/21/12 18:00	2
Benzene	ND		2.0	0.82	ug/L			11/21/12 18:00	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/21/12 18:00	2
Bromoform	ND		2.0	0.52	ug/L			11/21/12 18:00	2
Bromomethane	ND	*	2.0	1.4	ug/L			11/21/12 18:00	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/21/12 18:00	2
Carbon tetrachloride	ND	*	2.0	0.54	ug/L			11/21/12 18:00	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/21/12 18:00	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/21/12 18:00	2
Chloroethane	ND		2.0	0.64	ug/L			11/21/12 18:00	2
Chloroform	ND		2.0	0.68	ug/L			11/21/12 18:00	2
Chloromethane	ND		2.0	0.70	ug/L			11/21/12 18:00	2
cis-1,2-Dichloroethene	**170**		2.0	1.6	ug/L			11/21/12 18:00	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/21/12 18:00	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/21/12 18:00	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/21/12 18:00	2
Styrene	ND		2.0	1.5	ug/L			11/21/12 18:00	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/21/12 18:00	2
Toluene	ND		2.0	1.0	ug/L			11/21/12 18:00	2
trans-1,2-Dichloroethene	**5.9**		2.0	1.8	ug/L			11/21/12 18:00	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/21/12 18:00	2
Trichloroethene	ND		2.0	0.92	ug/L			11/21/12 18:00	2
Vinyl chloride	**8.9**		2.0	1.8	ug/L			11/21/12 18:00	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/21/12 18:00	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/21/12 18:00*	*2*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/21/12 18:00*	*2*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/21/12 18:00*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-8D 110812

Lab Sample ID: 480-28148-12

Date Collected: 11/08/12 09:46
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 18:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 18:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 18:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/21/12 18:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 18:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 18:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 18:24	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 18:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 18:24	1
Acetone	**3.1**	**J**	10	3.0	ug/L			11/21/12 18:24	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 18:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 18:24	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 18:24	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 18:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 18:24	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 18:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 18:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 18:24	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 18:24	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 18:24	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 18:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/21/12 18:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 18:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 18:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 18:24	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 18:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 18:24	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 18:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 18:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 18:24	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 18:24	1
Vinyl chloride	**46**		1.0	0.90	ug/L			11/21/12 18:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*		*11/21/12 18:24*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/21/12 18:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/21/12 18:24*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-5S 110812

Lab Sample ID: 480-28148-13

Date Collected: 11/08/12 10:05
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 18:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 18:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 18:48	1
1,1-Dichloroethane	**1.7**		1.0	0.38	ug/L			11/21/12 18:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 18:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 18:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 18:48	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 18:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 18:48	1
Acetone	**3.7**	**J**	10	3.0	ug/L			11/21/12 18:48	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 18:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 18:48	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 18:48	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 18:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 18:48	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 18:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 18:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 18:48	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 18:48	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 18:48	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 18:48	1
cis-1,2-Dichloroethene	**11**		1.0	0.81	ug/L			11/21/12 18:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 18:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 18:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 18:48	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 18:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 18:48	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 18:48	1
trans-1,2-Dichloroethene	**0.96**	**J**	1.0	0.90	ug/L			11/21/12 18:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 18:48	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 18:48	1
Vinyl chloride	**8.2**		1.0	0.90	ug/L			11/21/12 18:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*11/21/12 18:48*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/21/12 18:48*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/21/12 18:48*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-7D 110812

Lab Sample ID: 480-28148-14

Date Collected: 11/08/12 10:10
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 19:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 19:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 19:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/21/12 19:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 19:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 19:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 19:12	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 19:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 19:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 19:12	1
Acetone	**3.5**	**J**	10	3.0	ug/L			11/21/12 19:12	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 19:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 19:12	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 19:12	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 19:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 19:12	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 19:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 19:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 19:12	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 19:12	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 19:12	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 19:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/21/12 19:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 19:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 19:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 19:12	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 19:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 19:12	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 19:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 19:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 19:12	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 19:12	1
Vinyl chloride	**7.0**		1.0	0.90	ug/L			11/21/12 19:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*11/21/12 19:12*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/21/12 19:12*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/21/12 19:12*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-6S 110812

Lab Sample ID: 480-28148-15

Date Collected: 11/08/12 10:40
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 19:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 19:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 19:36	1
1,1-Dichloroethane	**5.7**		1.0	0.38	ug/L			11/21/12 19:36	1
1,1-Dichloroethene	**9.8**		1.0	0.29	ug/L			11/21/12 19:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 19:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 19:36	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 19:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 19:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 19:36	1
Acetone	**8.9**	**J**	10	3.0	ug/L			11/21/12 19:36	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 19:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 19:36	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 19:36	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 19:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 19:36	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 19:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 19:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 19:36	1
Chloroethane	**14**		1.0	0.32	ug/L			11/21/12 19:36	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 19:36	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 19:36	1
cis-1,2-Dichloroethene	**67**		1.0	0.81	ug/L			11/21/12 19:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 19:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 19:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 19:36	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 19:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 19:36	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 19:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 19:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 19:36	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 19:36	1
Vinyl chloride	**14**		1.0	0.90	ug/L			11/21/12 19:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*		*11/21/12 19:36*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/21/12 19:36*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/21/12 19:36*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-6D 110812

Lab Sample ID: 480-28148-16

Date Collected: 11/08/12 10:45
Matrix: Water
Date Received: 11/09/12 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/21/12 20:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 20:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 20:00	1
1,1-Dichloroethane	**5.0**		1.0	0.38	ug/L			11/21/12 20:00	1
1,1-Dichloroethene	**2.0**		1.0	0.29	ug/L			11/21/12 20:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 20:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/21/12 20:00	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 20:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 20:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 20:00	1
Acetone	**7.0**	**J**	10	3.0	ug/L			11/21/12 20:00	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 20:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 20:00	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 20:00	1
Bromomethane	ND	*	1.0	0.69	ug/L			11/21/12 20:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 20:00	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			11/21/12 20:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 20:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 20:00	1
Chloroethane	**4.1**		1.0	0.32	ug/L			11/21/12 20:00	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 20:00	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 20:00	1
cis-1,2-Dichloroethene	**25**		1.0	0.81	ug/L			11/21/12 20:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 20:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 20:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 20:00	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 20:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 20:00	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 20:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 20:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 20:00	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 20:00	1
Vinyl chloride	**75**		1.0	0.90	ug/L			11/21/12 20:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*		*11/21/12 20:00*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*11/21/12 20:00*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/21/12 20:00*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Method: 8260B - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-28148-1	TRIP BLANK 110812	117	111	104
480-28148-2	AOL LDMW-15 110812	115	112	104
480-28148-2 MS	AOL LDMW-15 110812	116	114	110
480-28148-2 MSD	AOL LDMW-15 110812	115	112	109
480-28148-3	OSMW-1P 110812	121	110	106
480-28148-4	OSMW-1S 110812	114	111	104
480-28148-5	OSMW-4S 110812	119	110	107
480-28148-6	OSMW-1D 110812	117	111	104
480-28148-7	OSMW-4D 110812	122	111	105
480-28148-8	OSMW-2P 110812	118	110	105
480-28148-9	H-221 110812	116	109	100
480-28148-10	OSMW-8S 110812	116	111	105
480-28148-11	OSMW-5D 110812	119	112	106
480-28148-12	OSMW-8D 110812	116	110	103
480-28148-13	OSMW-5S 110812	119	112	107
480-28148-14	OSMW-7D 110812	118	110	107
480-28148-15	OSMW-6S 110812	121	110	105
480-28148-16	OSMW-6D 110812	116	110	103
LCS 480-92093/4	Lab Control Sample	118	111	109
LCS 480-92181/4	Lab Control Sample	109	114	108
MB 480-92093/5	Method Blank	115	112	104
MB 480-92181/5	Method Blank	114	111	104

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-92093/5
Matrix: Water
Analysis Batch: 92093

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			11/20/12 23:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/20/12 23:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/20/12 23:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/20/12 23:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/20/12 23:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/20/12 23:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/20/12 23:58	1
2-Hexanone	ND		5.0	1.2	ug/L			11/20/12 23:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/20/12 23:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/20/12 23:58	1
Acetone	ND		10	3.0	ug/L			11/20/12 23:58	1
Benzene	ND		1.0	0.41	ug/L			11/20/12 23:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/20/12 23:58	1
Bromoform	ND		1.0	0.26	ug/L			11/20/12 23:58	1
Bromomethane	ND		1.0	0.69	ug/L			11/20/12 23:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/20/12 23:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/20/12 23:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/20/12 23:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/20/12 23:58	1
Chloroethane	ND		1.0	0.32	ug/L			11/20/12 23:58	1
Chloroform	ND		1.0	0.34	ug/L			11/20/12 23:58	1
Chloromethane	ND		1.0	0.35	ug/L			11/20/12 23:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/20/12 23:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/20/12 23:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/20/12 23:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/20/12 23:58	1
Styrene	ND		1.0	0.73	ug/L			11/20/12 23:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/20/12 23:58	1
Toluene	ND		1.0	0.51	ug/L			11/20/12 23:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/20/12 23:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/20/12 23:58	1
Trichloroethene	ND		1.0	0.46	ug/L			11/20/12 23:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/20/12 23:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/20/12 23:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*11/20/12 23:58*	*1*
Toluene-d8 (Surr)	*112*		*71 - 126*		*11/20/12 23:58*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/20/12 23:58*	*1*

Lab Sample ID: LCS 480-92093/4
Matrix: Water
Analysis Batch: 92093

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	32.9	*	ug/L		131	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	70 - 126
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122

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

Lab Sample ID: LCS 480-92093/4
Matrix: Water
Analysis Batch: 92093

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	22.6		ug/L		90	71 - 129
1,1-Dichloroethene	25.0	24.3		ug/L		97	58 - 121
1,2-Dichloroethane	25.0	25.9		ug/L		104	75 - 127
1,2-Dichloropropane	25.0	23.4		ug/L		94	76 - 120
2-Hexanone	125	103		ug/L		82	65 - 127
2-Butanone (MEK)	125	96.3		ug/L		77	57 - 140
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	98.7		ug/L		79	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Bromoform	25.0	25.7		ug/L		103	66 - 128
Bromomethane	25.0	39.1	*	ug/L		156	55 - 144
Carbon disulfide	25.0	19.7		ug/L		79	59 - 134
Carbon tetrachloride	25.0	36.5	*	ug/L		146	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	72 - 120
Dibromochloromethane	25.0	27.2		ug/L		109	75 - 125
Chloroethane	25.0	27.7		ug/L		111	69 - 136
Chloroform	25.0	25.2		ug/L		101	73 - 127
Chloromethane	25.0	23.2		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
Methylene Chloride	25.0	21.0		ug/L		84	57 - 132
Styrene	25.0	26.1		ug/L		104	70 - 130
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	22.3		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	72 - 123
Trichloroethene	25.0	25.6		ug/L		103	74 - 123
Vinyl chloride	25.0	27.1		ug/L		109	65 - 133
Xylenes, Total	75.0	77.5		ug/L		103	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*
Toluene-d8 (Surr)	*111*		*71 - 126*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*

Lab Sample ID: MB 480-92181/5
Matrix: Water
Analysis Batch: 92181

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			11/21/12 12:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/21/12 12:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/21/12 12:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/21/12 12:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/21/12 12:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/21/12 12:14	1

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

Lab Sample ID: MB 480-92181/5
Matrix: Water
Analysis Batch: 92181

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			11/21/12 12:14	1
2-Hexanone	ND		5.0	1.2	ug/L			11/21/12 12:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/21/12 12:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/21/12 12:14	1
Acetone	ND		10	3.0	ug/L			11/21/12 12:14	1
Benzene	ND		1.0	0.41	ug/L			11/21/12 12:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/21/12 12:14	1
Bromoform	ND		1.0	0.26	ug/L			11/21/12 12:14	1
Bromomethane	ND		1.0	0.69	ug/L			11/21/12 12:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/21/12 12:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/21/12 12:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/21/12 12:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/21/12 12:14	1
Chloroethane	ND		1.0	0.32	ug/L			11/21/12 12:14	1
Chloroform	ND		1.0	0.34	ug/L			11/21/12 12:14	1
Chloromethane	ND		1.0	0.35	ug/L			11/21/12 12:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/21/12 12:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/21/12 12:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/21/12 12:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/21/12 12:14	1
Styrene	ND		1.0	0.73	ug/L			11/21/12 12:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/21/12 12:14	1
Toluene	ND		1.0	0.51	ug/L			11/21/12 12:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/21/12 12:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/21/12 12:14	1
Trichloroethene	ND		1.0	0.46	ug/L			11/21/12 12:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/21/12 12:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/21/12 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*11/21/12 12:14*	*1*
Toluene-d8 (Surr)	*111*		*71 - 126*		*11/21/12 12:14*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/21/12 12:14*	*1*

Lab Sample ID: LCS 480-92181/4
Matrix: Water
Analysis Batch: 92181

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	30.4		ug/L		121	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	70 - 126
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	20.4		ug/L		81	71 - 129
1,1-Dichloroethene	25.0	22.1		ug/L		88	58 - 121
1,2-Dichloroethane	25.0	24.3		ug/L		97	75 - 127
1,2-Dichloropropane	25.0	22.2		ug/L		89	76 - 120
2-Hexanone	125	104		ug/L		83	65 - 127
2-Butanone (MEK)	125	90.6		ug/L		73	57 - 140

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

Lab Sample ID: LCS 480-92181/4
Matrix: Water
Analysis Batch: 92181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	102		ug/L		82	71 - 125
Acetone	125	84.0		ug/L		67	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Bromoform	25.0	27.1		ug/L		108	66 - 128
Bromomethane	25.0	37.3	*	ug/L		149	55 - 144
Carbon disulfide	25.0	20.6		ug/L		83	59 - 134
Carbon tetrachloride	25.0	34.3	*	ug/L		137	72 - 134
Chlorobenzene	25.0	26.1		ug/L		105	72 - 120
Dibromochloromethane	25.0	28.3		ug/L		113	75 - 125
Chloroethane	25.0	27.1		ug/L		109	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		103	74 - 124
Ethylbenzene	25.0	26.7		ug/L		107	77 - 123
Methylene Chloride	25.0	19.0		ug/L		76	57 - 132
Styrene	25.0	26.5		ug/L		106	70 - 130
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	26.1		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	20.6		ug/L		82	73 - 127
trans-1,3-Dichloropropene	25.0	26.9		ug/L		107	72 - 123
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Vinyl chloride	25.0	26.7		ug/L		107	65 - 133
Xylenes, Total	75.0	78.5		ug/L		105	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*
Toluene-d8 (Surr)	*114*		*71 - 126*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*

Lab Sample ID: 480-28148-2 MS
Matrix: Water
Analysis Batch: 92181

Client Sample ID: AOL LDMW-15 110812
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	760		250	976		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	ND		250	229		ug/L		92	70 - 126
1,1,2-Trichloroethane	ND		250	237		ug/L		95	76 - 122
1,1-Dichloroethane	28		250	242		ug/L		86	71 - 129
1,1-Dichloroethene	68		250	290		ug/L		89	58 - 121
1,2-Dichloroethane	ND		250	255		ug/L		102	75 - 127
1,2-Dichloropropane	ND		250	227		ug/L		91	76 - 120
2-Hexanone	ND		1250	1020		ug/L		82	65 - 127
2-Butanone (MEK)	ND		1250	948		ug/L		76	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		1250	1030		ug/L		82	71 - 125
Acetone	ND		1250	982		ug/L		79	56 - 142
Benzene	ND		250	232		ug/L		93	71 - 124

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

Lab Sample ID: 480-28148-2 MS
Matrix: Water
Analysis Batch: 92181

Client Sample ID: AOL LDMW-15 110812
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	ND		250	265		ug/L		106	80 - 122
Bromoform	ND		250	236		ug/L		94	66 - 128
Bromomethane	ND	*	250	390	F	ug/L		156	55 - 144
Carbon disulfide	ND		250	211		ug/L		84	59 - 134
Carbon tetrachloride	ND	*	250	367	F	ug/L		147	72 - 134
Chlorobenzene	ND		250	259		ug/L		103	72 - 120
Dibromochloromethane	ND		250	264		ug/L		106	75 - 125
Chloroethane	ND		250	203		ug/L		81	69 - 136
Chloroform	4.4	J	250	260		ug/L		102	73 - 127
Chloromethane	ND		250	234		ug/L		94	68 - 124
cis-1,2-Dichloroethene	ND		250	247		ug/L		99	74 - 124
cis-1,3-Dichloropropene	ND		250	243		ug/L		97	74 - 124
Ethylbenzene	ND		250	260		ug/L		104	77 - 123
Methylene Chloride	4.8	J	250	207		ug/L		81	57 - 132
Styrene	ND		250	261		ug/L		104	70 - 130
Tetrachloroethene	ND		250	262		ug/L		105	74 - 122
Toluene	ND		250	251		ug/L		100	80 - 122
trans-1,2-Dichloroethene	ND		250	226		ug/L		90	73 - 127
trans-1,3-Dichloropropene	ND		250	248		ug/L		99	72 - 123
Trichloroethene	490		250	673	F	ug/L		73	74 - 123
Vinyl chloride	ND		250	277		ug/L		111	65 - 133
Xylenes, Total	ND		750	777		ug/L		104	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*
Toluene-d8 (Surr)	*114*		*71 - 126*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*

Lab Sample ID: 480-28148-2 MSD
Matrix: Water
Analysis Batch: 92181

Client Sample ID: AOL LDMW-15 110812
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	760		250	912	F	ug/L		63	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		250	243		ug/L		97	70 - 126	6	15
1,1,2-Trichloroethane	ND		250	250		ug/L		100	76 - 122	5	15
1,1-Dichloroethane	28		250	223		ug/L		78	71 - 129	8	20
1,1-Dichloroethene	68		250	268		ug/L		80	58 - 121	8	16
1,2-Dichloroethane	ND		250	242		ug/L		97	75 - 127	5	20
1,2-Dichloropropane	ND		250	217		ug/L		87	76 - 120	5	20
2-Hexanone	ND		1250	1030		ug/L		82	65 - 127	1	15
2-Butanone (MEK)	ND		1250	770	F	ug/L		62	57 - 140	21	20
4-Methyl-2-pentanone (MIBK)	ND		1250	1010		ug/L		81	71 - 125	1	35
Acetone	ND		1250	675	F	ug/L		54	56 - 142	37	15
Benzene	ND		250	226		ug/L		90	71 - 124	3	13
Bromodichloromethane	ND		250	253		ug/L		101	80 - 122	4	15
Bromoform	ND		250	224		ug/L		90	66 - 128	5	15
Bromomethane	ND	*	250	406	F	ug/L		162	55 - 144	4	15

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

Lab Sample ID: 480-28148-2 MSD
Matrix: Water
Analysis Batch: 92181

Client Sample ID: AOL LDMW-15 110812
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	ND		250	177	F	ug/L		71	59 - 134	18	15
Carbon tetrachloride	ND	*	250	356	F	ug/L		142	72 - 134	3	15
Chlorobenzene	ND		250	251		ug/L		100	72 - 120	3	25
Dibromochloromethane	ND		250	259		ug/L		104	75 - 125	2	15
Chloroethane	ND		250	289	F	ug/L		116	69 - 136	35	15
Chloroform	4.4	J	250	243		ug/L		95	73 - 127	7	20
Chloromethane	ND		250	219		ug/L		88	68 - 124	7	15
cis-1,2-Dichloroethene	ND		250	232		ug/L		93	74 - 124	6	15
cis-1,3-Dichloropropene	ND		250	240		ug/L		96	74 - 124	1	15
Ethylbenzene	ND		250	252		ug/L		101	77 - 123	3	15
Methylene Chloride	4.8	J	250	187		ug/L		73	57 - 132	10	15
Styrene	ND		250	252		ug/L		101	70 - 130	3	20
Tetrachloroethene	ND		250	250		ug/L		100	74 - 122	4	20
Toluene	ND		250	248		ug/L		99	80 - 122	1	15
trans-1,2-Dichloroethene	ND		250	204		ug/L		82	73 - 127	10	20
trans-1,3-Dichloropropene	ND		250	254		ug/L		102	72 - 123	2	15
Trichloroethene	490		250	648	F	ug/L		63	74 - 123	4	16
Vinyl chloride	ND		250	269		ug/L		107	65 - 133	3	15
Xylenes, Total	ND		750	739		ug/L		99	76 - 122	5	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*
Toluene-d8 (Surr)	*112*		*71 - 126*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

GC/MS VOA

Analysis Batch: 92093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28148-1	TRIP BLANK 110812	Total/NA	Water	8260B	
480-28148-3	OSMW-1P 110812	Total/NA	Water	8260B	
480-28148-5	OSMW-4S 110812	Total/NA	Water	8260B	
480-28148-7	OSMW-4D 110812	Total/NA	Water	8260B	
LCS 480-92093/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-92093/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 92181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28148-2	AOL LDMW-15 110812	Total/NA	Water	8260B	
480-28148-2 MS	AOL LDMW-15 110812	Total/NA	Water	8260B	
480-28148-2 MSD	AOL LDMW-15 110812	Total/NA	Water	8260B	
480-28148-4	OSMW-1S 110812	Total/NA	Water	8260B	
480-28148-6	OSMW-1D 110812	Total/NA	Water	8260B	
480-28148-8	OSMW-2P 110812	Total/NA	Water	8260B	
480-28148-9	H-221 110812	Total/NA	Water	8260B	
480-28148-10	OSMW-8S 110812	Total/NA	Water	8260B	
480-28148-11	OSMW-5D 110812	Total/NA	Water	8260B	
480-28148-12	OSMW-8D 110812	Total/NA	Water	8260B	
480-28148-13	OSMW-5S 110812	Total/NA	Water	8260B	
480-28148-14	OSMW-7D 110812	Total/NA	Water	8260B	
480-28148-15	OSMW-6S 110812	Total/NA	Water	8260B	
480-28148-16	OSMW-6D 110812	Total/NA	Water	8260B	
LCS 480-92181/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-92181/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: TRIP BLANK 110812 — Lab Sample ID: 480-28148-1

Date Collected: 11/08/12 00:00 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92093	11/21/12 02:05	LH	TAL BUF

Client Sample ID: AOL LDMW-15 110812 — Lab Sample ID: 480-28148-2

Date Collected: 11/08/12 08:30 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	92181	11/21/12 15:37	LH	TAL BUF

Client Sample ID: OSMW-1P 110812 — Lab Sample ID: 480-28148-3

Date Collected: 11/08/12 08:45 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92093	11/21/12 02:53	LH	TAL BUF

Client Sample ID: OSMW-1S 110812 — Lab Sample ID: 480-28148-4

Date Collected: 11/08/12 08:50 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	92181	11/21/12 16:01	LH	TAL BUF

Client Sample ID: OSMW-4S 110812 — Lab Sample ID: 480-28148-5

Date Collected: 11/08/12 08:52 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92093	11/21/12 03:40	LH	TAL BUF

Client Sample ID: OSMW-1D 110812 — Lab Sample ID: 480-28148-6

Date Collected: 11/08/12 08:55 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 16:24	LH	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-4D 110812 — Lab Sample ID: 480-28148-7

Date Collected: 11/08/12 09:05 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92093	11/21/12 04:28	LH	TAL BUF

Client Sample ID: OSMW-2P 110812 — Lab Sample ID: 480-28148-8

Date Collected: 11/08/12 09:15 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 16:49	LH	TAL BUF

Client Sample ID: H-221 110812 — Lab Sample ID: 480-28148-9

Date Collected: 11/08/12 09:30 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	92181	11/21/12 17:12	LH	TAL BUF

Client Sample ID: OSMW-8S 110812 — Lab Sample ID: 480-28148-10

Date Collected: 11/08/12 09:32 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 17:37	LH	TAL BUF

Client Sample ID: OSMW-5D 110812 — Lab Sample ID: 480-28148-11

Date Collected: 11/08/12 09:45 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	92181	11/21/12 18:00	LH	TAL BUF

Client Sample ID: OSMW-8D 110812 — Lab Sample ID: 480-28148-12

Date Collected: 11/08/12 09:46 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 18:24	LH	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Client Sample ID: OSMW-5S 110812 — Lab Sample ID: 480-28148-13

Date Collected: 11/08/12 10:05 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 18:48	LH	TAL BUF

Client Sample ID: OSMW-7D 110812 — Lab Sample ID: 480-28148-14

Date Collected: 11/08/12 10:10 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 19:12	LH	TAL BUF

Client Sample ID: OSMW-6S 110812 — Lab Sample ID: 480-28148-15

Date Collected: 11/08/12 10:40 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 19:36	LH	TAL BUF

Client Sample ID: OSMW-6D 110812 — Lab Sample ID: 480-28148-16

Date Collected: 11/08/12 10:45 — **Matrix: Water**
Date Received: 11/09/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	92181	11/21/12 20:00	LH	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: 480-28148-1
SDG: 480-28148

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	07-06-13
California	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-13
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE Semi Annual Event

TestAmerica Job ID: 480-28148-1
SDG: 480-28148

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (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: 480-28148-1
SDG: 480-28148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28148-1	TRIP BLANK 110812	Water	11/08/12 00:00	11/09/12 09:00
480-28148-2	AOL LDMW-15 110812	Water	11/08/12 08:30	11/09/12 09:00
480-28148-3	OSMW-1P 110812	Water	11/08/12 08:45	11/09/12 09:00
480-28148-4	OSMW-1S 110812	Water	11/08/12 08:50	11/09/12 09:00
480-28148-5	OSMW-4S 110812	Water	11/08/12 08:52	11/09/12 09:00
480-28148-6	OSMW-1D 110812	Water	11/08/12 08:55	11/09/12 09:00
480-28148-7	OSMW-4D 110812	Water	11/08/12 09:05	11/09/12 09:00
480-28148-8	OSMW-2P 110812	Water	11/08/12 09:15	11/09/12 09:00
480-28148-9	H-221 110812	Water	11/08/12 09:30	11/09/12 09:00
480-28148-10	OSMW-8S 110812	Water	11/08/12 09:32	11/09/12 09:00
480-28148-11	OSMW-5D 110812	Water	11/08/12 09:45	11/09/12 09:00
480-28148-12	OSMW-8D 110812	Water	11/08/12 09:46	11/09/12 09:00
480-28148-13	OSMW-5S 110812	Water	11/08/12 10:05	11/09/12 09:00
480-28148-14	OSMW-7D 110812	Water	11/08/12 10:10	11/09/12 09:00
480-28148-15	OSMW-6S 110812	Water	11/08/12 10:40	11/09/12 09:00
480-28148-16	OSMW-6D 110812	Water	11/08/12 10:45	11/09/12 09:00

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-28148-1
SDG Number: 480-28148

Login Number: 28148
List Number: 1
Creator: Janish, Carl

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	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: O'Brien & Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Schneider	Lab Contact: John Schone
Address: 8805 Governors Hill Dr	Telephone: (248) 477-5701	Telephone: (734) 306-4685	Telephone: (716) 691-2600
City/State/Zip: Cincinnati, OH 45249	Email: Anthony.Finch@obg.com		COC No: 1 of 2 COCs
Phone: (513) 697-2020		Analysis Turnaround Time (in Bus days)	Analyses
Project Name: GE Semi Annual Event	Method of Shipment/Carrier: FED Ex	TAT if different from below ☐ 3 weeks ☒ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Number: 48566	Shipping/Tracking No: 8003 4332 8806		
PO # 112100876			

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite (C) / Grab (G)	VOCs (8260B)	Sample Specific Notes / Special Instructions:
Trip Blank 110812	11/8/12	←		X						2					N	G	X	
AOC LDMW-1S 110812	↓	830		X						3					N	G	X	
OSMW-1P 110812		845		X						3					N	G	X	
OSMW-1S 110812		850		X						3					N	G	X	
OSMW-4S 110812		852		X						3					N	G	X	
OSMW-1D 110812		855		X						3					N	G	X	
OSMW-4D 110812		905		X						3					N	G	X	
OSMW-2P 110812		915		X						3					N	G	X	
H-221 110812		930		X						3					N	G	X	
OSMW-8S 110812	↓	932		X						3					N	G	X	

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

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

Special Instructions/QC Requirements & Comments: Analysis per QAPP, Level III Data Package; Please send hard copy to Karen Storne

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	O'Brien & Gere	11/8/12 1100	[signature]	TA Buffalo	11/9/12 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company	Date/Time:

715 #1

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TAL-0018 (1008)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Buffalo

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: O'Brien & Gere	Client Project Manager: Tony Finch	Site Contact: Kevin Schneider	Lab Contact: John Schone
Address: 8805 Governors Hill Dr	Telephone: (248) 477-5701	Telephone: (734) 306-9685	Telephone: (716) 691-2600
City/State/Zip: Cincinnati, OH 45249	Email: Anthony.finch@obg.com		COC No: 2 of 2 COCs
Phone: (513) 697-2020			
Project Name: OE Semi Annual Event	Method of Shipment/Carrier: FED EX		
Project Number: 48566	Shipping/Tracking No: 8003 4332 8806		
PO# 112100826			

Analysis Turnaround Time (in BUS days)
TAT if different from below
☐ 3 weeks
☒ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client
Lab sampling
Job/SDG No.

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C/Grab G	Analyses: VOCs (8260B)	Sample Specific Notes / Special Instructions:
OSMW-5D 110812	11/8/12	945		X					3						N	G	X	
OSMW-8D 110812	↓	946		X					3						N	G	X	
OSMW-5S 110812		1005		X					3						N	G	X	
OSMW-7D 110812		1010		X					3						N	G	X	
OSMW-6S 110812		1040		X					3						N	G	X	
OSMW-6D 110812		1045		X					3						N	G	X	

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

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

Special Instructions/QC Requirements & Comments:
Analysis Per QAPP; Level III Data Package; Please send hard copy to Karen Storne

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	O'Brien & Gere	11/8/12 1200	[signature]	[signature]	11/9/12 09:00
Relinquished by:	Company	Date/Time.	Received by	Company:	Date/Time:
Relinquished by:	Company	Date/Time	Received in Laboratory by:	Company:	Date/Time:

2.5 H1

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TAL-0018 (1008)

Appendix B-1

IRM Groundwater Sampling Program QA/QC Results and Data Verification

APPENDIX B-1
QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

Level A data verification was independently performed by O'Brien & Gere Engineers, Inc. to assess groundwater IRM performance monitoring data quality for samples collected during the Fourth Quarter 2012 (November 6, 2012). 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.
- laboratory quantitation limits are within the limits listed in the QAPP, except for acetone and 2-butaone 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.
- detections of methylene chloride were reported in the method blank for batch 91573 above the method detection limit, but less than than the reporting limit. Therefore, re-extraction and re-analysis were not performed.
- the matrix spike/matrix spike duplicate (MS/MSD) recoveries for batch 91508 and batch 91573 were outside control limits. The associated LCS recovery met acceptance criteria
- nine samples were diluted to bring the target analytes into the calibration range; AF-4P 110612, OSMW-10P 110612, PMW-3D 110612, PMW-3P 110612, PMW-3S 110612, TMW-1P 110612, OSMW-11D 110612, OSMW-11S 110612, and OSMW-9S 110612. Elevated reporting limits are provided.

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

Appendix B-2

Second Semiannual Groundwater Sampling Program Data Validation Report

MEMORANDUM

FROM: Karen Storne

RE: GE Aviation, Semiannual Groundwater Monitoring Program Data Validation Report

FILE: 10361/48566.004.201

DATE: January 07, 2013

cc: T. Finch
C. Yantz
R. Boone

This Data Validation Report presents the results of data validation performed for samples collected by O'Brien & Gere in November 2012 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 5030B/8260B	1

Note:

1. **USEPA. 2004.** ***Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846,*** **3rd Edition, Update IIIB. 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 (SAP), General Electric Company, Evendale, Ohio.* 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
- Matrix spike/matrix spike duplicate (MS/MSD) 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-butaone were reported as 10 ug/L and the SAP QLs are listed as 5 ug/L. The reporting limits for acetone and 2-butanone reported by TA Buffalo were revised from 5µg/L to 10µg/L due to laboratory reporting limit revisions.

CHAIN-OF-CUSTODY RECORDS

For the samples collected 11/7/12 and 11/8/12, the courier Federal Express used to ship the samples to the laboratory and the tracking numbers were 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
- Holding times and sample preservation
- Calibrations
- 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. Blank analysis

The following results were qualified as non-detected (U) due to minor representativeness excursion:

- Acetone in samples AF-7P 110712, AF-7D 110712, ADW-7D 110712, OSMW-3S 110712, TMW-1S 110712, TMW-1D 110712, AF-5S 110712, AF-5D 110712, ADW-5D 110712, TMW-2S 110712, TMW-2D 110712, AF-21D 110712, AF-9S 110712, AF-2P 110712, AF-3P 110712, AOC PSTMW-15R 110712, AOC PSTMW-2S 110712, OSMW-1P 110812, OSMW-4S 110812, OSMW-1D 110812, OSMW-2P 110812, OSMW-8D 110812, OSMW-5S 110812, OSMW-7D 110812, OSMW-6S 110812 and OSMW-6D 110812.

II. MS/MSD analysis

The following result was qualified as approximate (J) due to minor accuracy excursions:

- Trichloroethene in sample AOL LDMW-15 110812.

III. Target analyte quantitation and QLs

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 list					
Samples collected and submitted for data validation					
Laboratory Name	**Date Collected**	**Lab Identfication**	**Client Identification**	**Matrix**	**Analysis Requested**
TA Buffalo	11/7/2012	480-28079-1TB	TRIP BLANK 110712	Aqueous	VOCs
TA Buffalo	11/7/2012	480-28079-2	AF-7P 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-3	AF-7S 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-4	AF-7D 110712, MS/MSD	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-5	ADW-7D 110712 [AF-7D 110712]	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-6	OSMW-3S 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-7	OSME-3D 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-8	TMW-1S 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-9	TMW-1D 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-10	AF-5P 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-11	AF-5S 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-12	AF-5D 110712, MS/MSD	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-13	ADW-5D 110712 [AF-5D 110712]	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-14	AF-25P 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-15	TMW-2S 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-16	TMW-2D 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-17	AF-21D 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-18	AF-9S 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-19	AF-2P 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-20	AF-3P 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-21	AF-24P 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-22	AF-23P 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-23	AOC PSTMW-15R 110712	Groundwater	VOCs
TA Buffalo	11/7/2012	480-28079-24	AOC PSTMW-2S 110712	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-1TB	Trip Blank 110812	Aqueous	VOCs
TA Buffalo	11/8/2012	480-28148-2	AOL LDMW-15 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-3	OSMW-1P 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-4	OSMW-1S 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-5	OSMW-4S 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-6	OSMW-1D 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-7	OSMW-4D 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-8	OSMW-2P 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-9	H-221 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-10	OSMW-8S 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-11	OSMW-5D 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-12	OSMW-8D 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-13	OSMW-5S 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-14	OSMW-7D 110812	Groundwater	VOCs
TA Buffalo	11/8/2012	480-28148-15	OSMW-6S 110812	Groundwater	VOCs

Table 2 - Sample cross reference list					
Samples collected and submitted for data validation					
Laboratory Name	**Date Collected**	**Lab Identfication**	**Client Identification**	**Matrix**	**Analysis Requested**
TA Buffalo	11/8/2012	480-28148-16	OSMW-6D 110812	Groundwater	VOCs

Note:
TA Buffalo indicates TestAmerica Buffalo of Amherst, New York.
VOCs indicates volatile organic compounds.
TB indicates trip blank.
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.**
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). The entire sample target list for a VOC sample impacted by a holding time excursion is qualified.

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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	VOC target analytes are evaluated using the criteria of 15 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) for CCCs and 50%D for the remaining target analytes. Initial calibrations and calibration verifications are also evaluated using the response factor (RF) criteria described in the method for system performance check compounds, a criterion of greater than or equal to 0.010 for ketones and alcohols, and a criterion of 0.05 for the remaining target 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).

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	If percent recoveries are greater than laboratory CLs, detected results are qualified as approximate (J).
	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.
Source O'Brien & Gere	

Table 4. Laboratory QA/QC analyses definitions.

QA/QC Term	Definition
Quantitation limit	The level above which numerical results may be obtained with a specified degree of confidence; the minimum concentration of an analyte in a specific matrix that can be identified and quantified above the method detection limit and within specified limits of precision and bias during routine analytical operating conditions.
Method detection limit	The minimum concentration of an analyte that undergoes preparation similar to the environmental samples and can be reported with a stated level of confidence that the analyte concentration is greater than zero.
Instrument detection limit	The lowest concentration of a metal target analyte that, when directly inputted and processed on a specific analytical instrument, produces a signal/response that is statistically distinct from the signal/response arising from equipment "noise" alone.
Gas chromatography/mass spectrometry (GC/MS) instrument performance check	Performed to verify mass resolution, identification, and to some degree, instrument sensitivity. These criteria are not sample specific; conformance is determined using standard materials.
Calibration	Compliance requirements for satisfactory instrument calibration are established to verify that the instrument is capable of producing acceptable quantitative data. Initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of analysis and calibration verifications document satisfactory maintenance and adjustment of the instrument on a day-to-day basis.
Relative Response Factor	A measure of the relative mass spectral response of an analyte compared to its internal standard. Relative Response Factors are determined by analysis of standards and are used in the calculation of concentrations of analytes in samples.
Relative standard deviation	The standard deviation divided by the mean; a unit-free measure of variability.
Correlation coefficient	A measure of the strength of the relationship between two variables.
Relative Percent Difference	Used to compare two values; the relative percent difference is based on the mean of the two values, and is reported as an absolute value, i.e., always expressed as a positive number or zero.
Percent Difference	Used to compare two values; the percent difference indicates both the direction and the magnitude of the comparison, i.e., the percent difference may be either negative, positive, or zero.
Percent Recovery	The act of determining whether or not the methodology measures all of the target analytes contained in a sample.
Calibration blank	Consists of acids and reagent water used to prepare metal samples for analysis. This type of blank is analyzed to evaluate whether contamination is occurring during the preparation and analysis of the sample.
Method blank	A water or soil blank that undergoes the preparation procedures applied to a sample (i.e., extraction, digestion, clean-up). These samples are analyzed to examine whether sample preparation, clean-up, and analysis techniques result in sample contamination.
Field/equipment	Collected and submitted for laboratory analysis, where appropriate. Field/equipment blanks are handled in the same manner as environmental samples. Equipment/field blanks are analyzed to assess contamination introduced during field sampling procedures.
Trip blank	Consist of samples of analyte-free water that have undergone shipment from the sampling site to the laboratory in coolers with the environmental samples submitted for volatile organic compound (VOC) analysis. Trip blanks will be analyzed for VOCs to determine if contamination has taken place during sample handling and/or shipment. Trip blanks will be utilized at a frequency of one each per cooler sent to the laboratory for VOC analysis.
Internal standards performance	Compounds not found in environmental samples which are spiked into samples and quality control samples at the time of sample preparation for organic analyses. Internal standards must meet retention time and recovery criteria specified in the analytical method. Internal standards are used as the basis for quantitation of the target analytes.
Surrogate recovery	Compounds similar in nature to the target analytes but not expected to be detected in the environmental media which are spiked into environmental samples, blanks, and quality control samples prior to sample preparation for organic analyses. Surrogates are used to evaluate analytical efficiency by measuring recovery.
Laboratory control sample Matrix spike blank analyses	Standard solutions that consist of known concentrations of the target analytes spiked into laboratory analyte-free water or sand. They are prepared or purchased from a certified manufacturer from a source independent from the calibration standards to provide an independent verification of the calibration procedure. They are prepared and analyzed following the same procedures employed for environmental sample analysis to assess method accuracy independently of sample matrix effects.
Laboratory duplicate	Two or more representative portions taken from one homogeneous sample by the analyst and analyzed in the same laboratory.
Matrix	The material of which the sample is composed or the substrate containing the analyte of interest, such as drinking water, waste water, air, soil/sediment, biological material.
Matrix Spike (MS)	An aliquot of a matrix (water or soil) fortified (spiked) with known quantities of specific target analytes and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery.
Matrix spike duplicate (MSD)	A second aliquot of the same matrix as the matrix spike that is spiked in order to determine the precision of the method.
Retention time	The time a target analyte is retained on a GC column before elution. The identification of a target analyte is dependent on a target compound's retention time falling within the specified retention time window established for that compound.
Relative retention time	The ratio of the retention time of a compound to that of a standard.

Source O'Brien & Gere

Appendix C

Hydrographs for Selected Perched Zone, USG and LSG Monitoring Wells

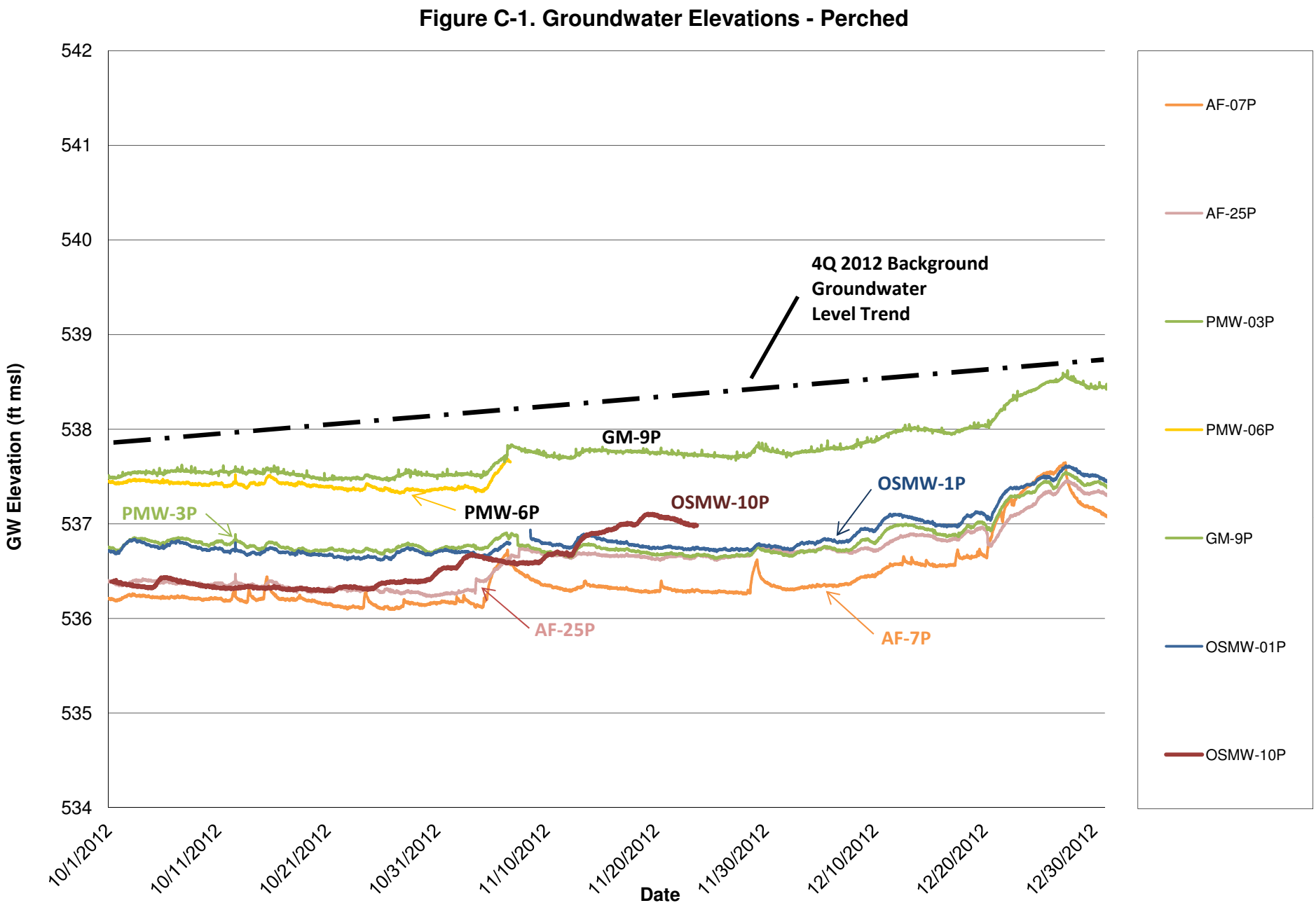


Figure C-1. Groundwater Elevations - Perched
GW Elevation (ft msl)
542
541
540
539
538
537
536
535
534
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
11/30/2012
12/10/2012
12/20/2012
12/30/2012
Date
4Q 2012 Background Groundwater Level Trend
GM-9P
PMW-3P
PMW-6P
OSMW-10P
OSMW-1P
AF-25P
AF-7P
AF-07P
AF-25P
PMW-03P
PMW-06P
GM-9P
OSMW-01P
OSMW-10P

Figure C-2. Groundwater Elevations - USG - Perched Pumping Area

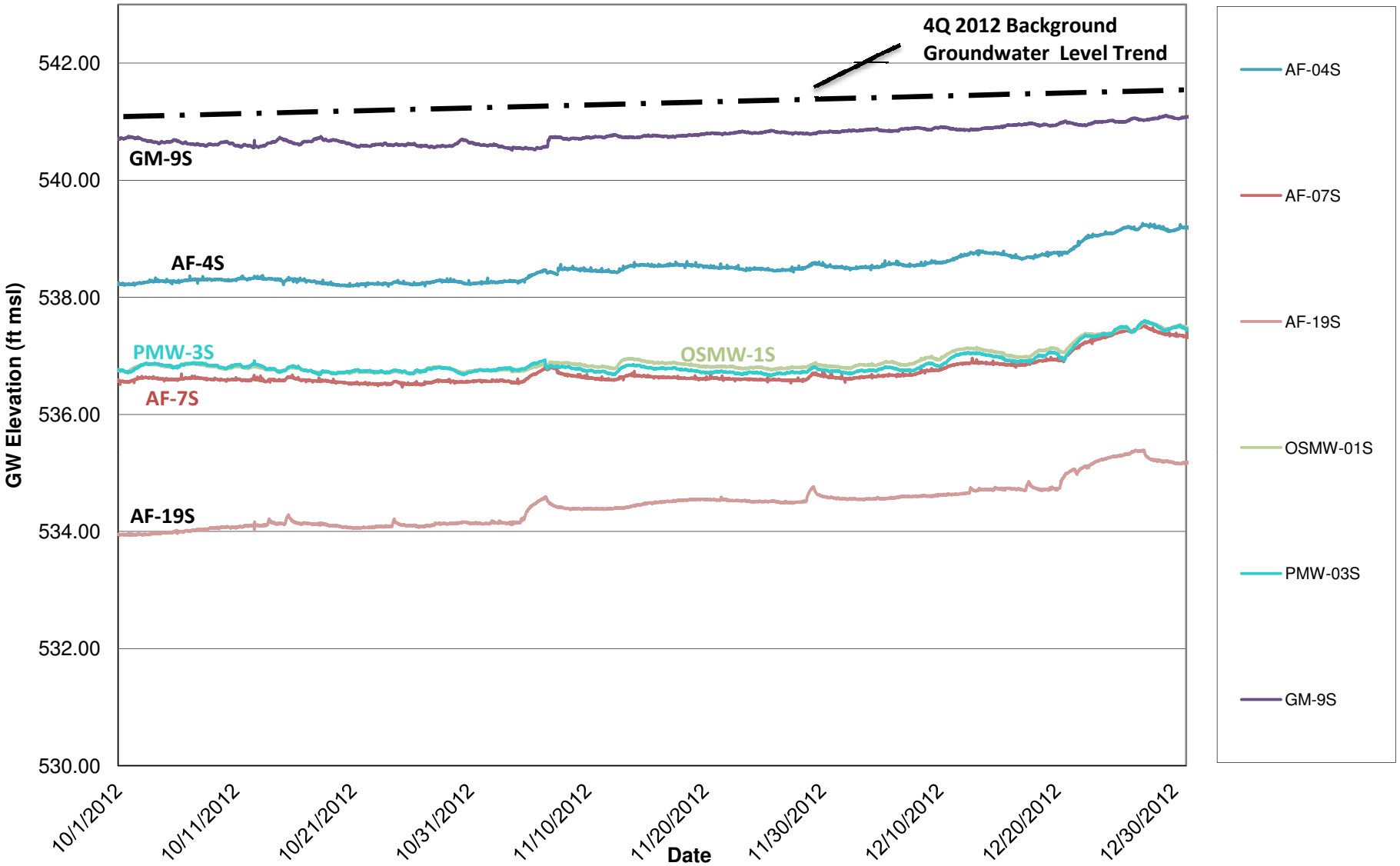


FIgure C-3. Groundwater Elevations - USG - EW-7S Area

Figure C-4. Groundwater Elevations - LSG EW-3D Area

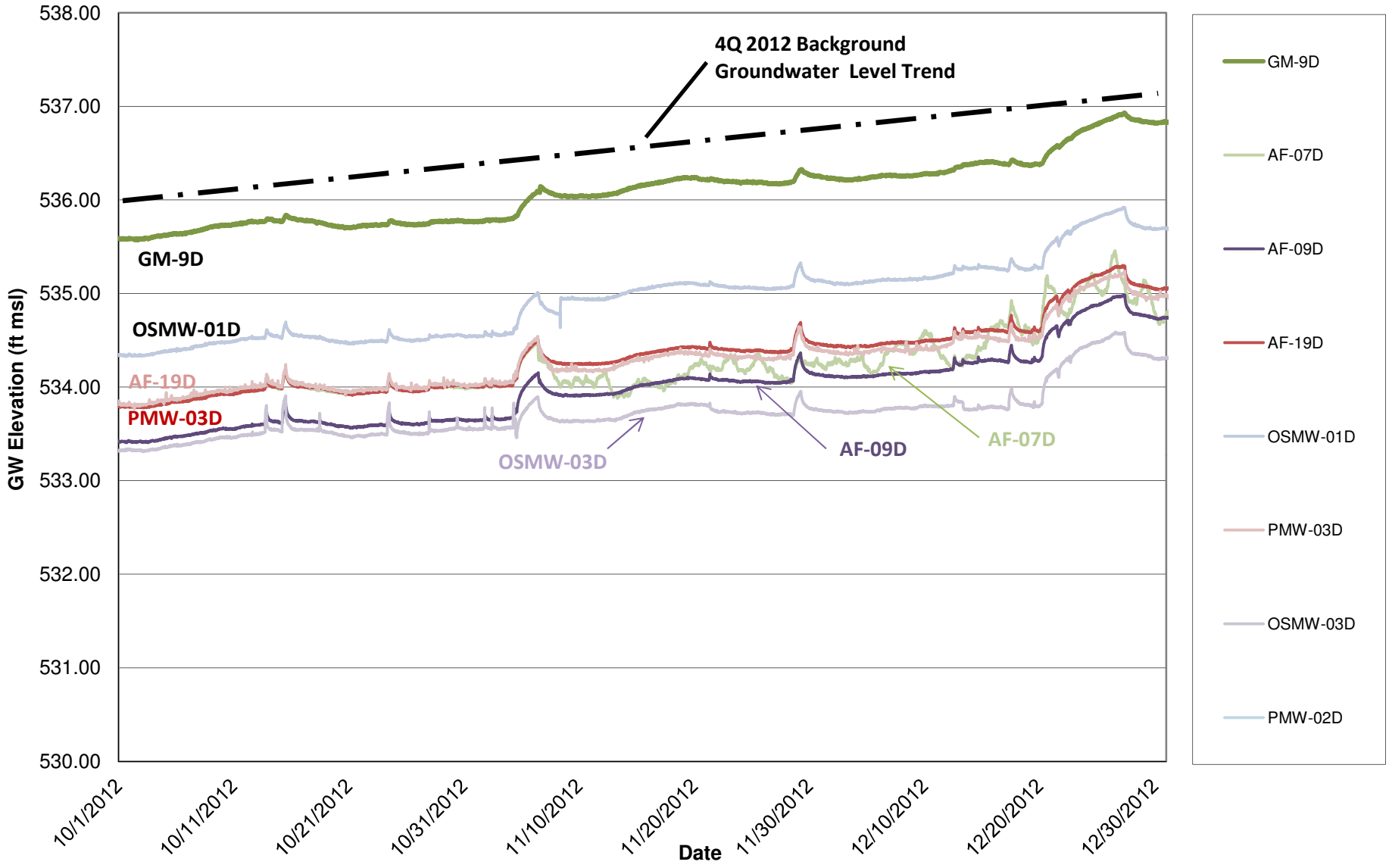
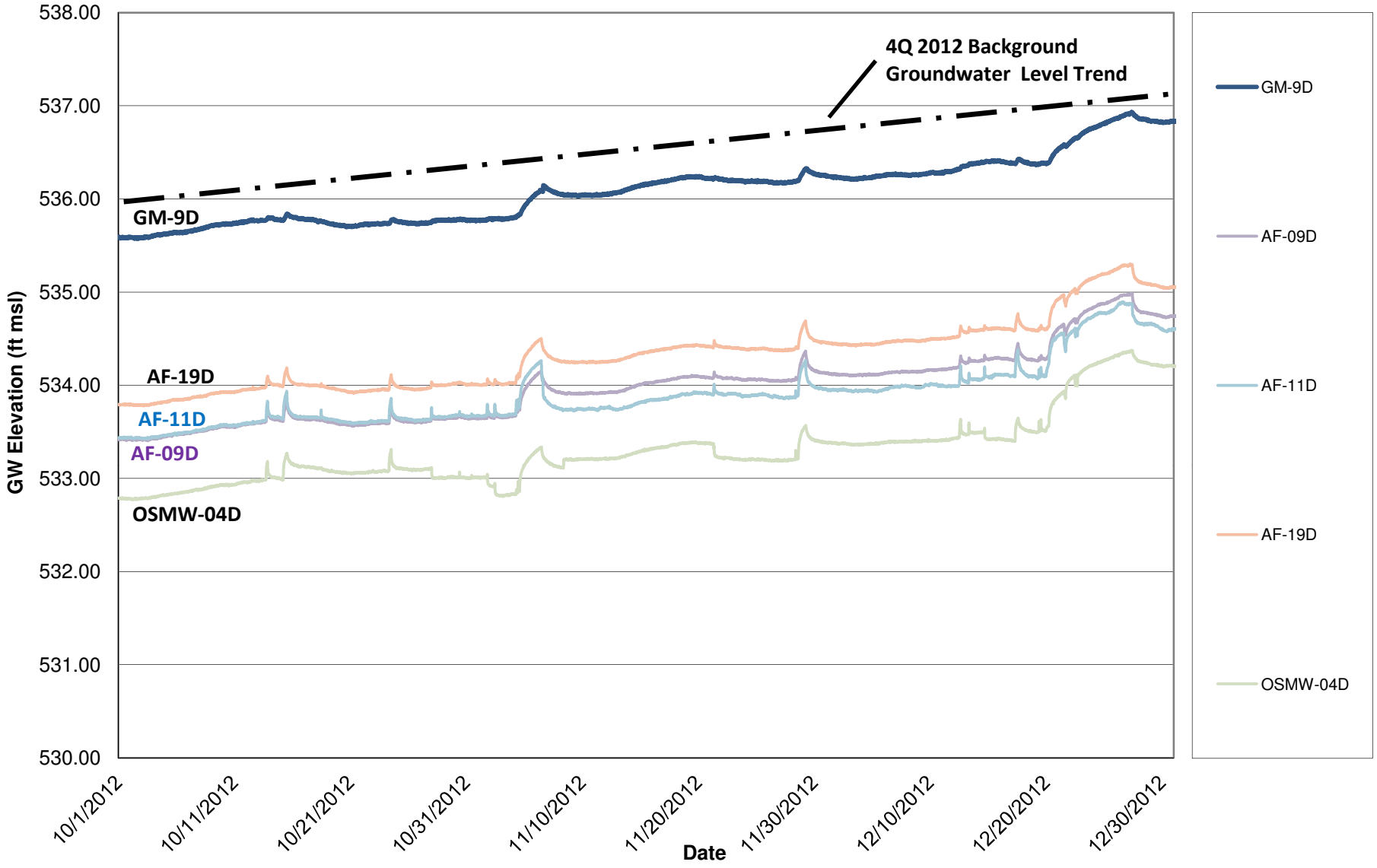


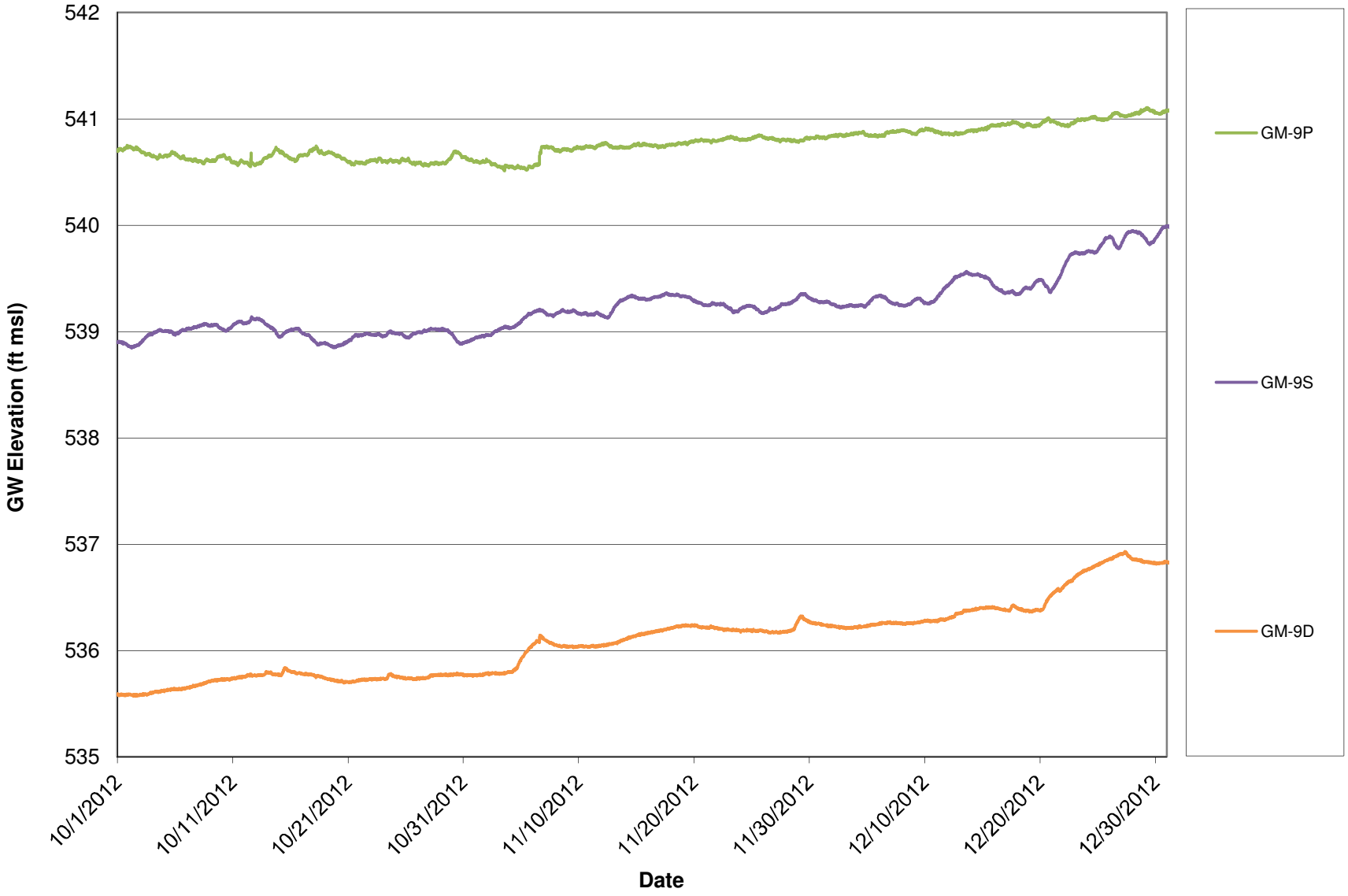
Figure C-5. Groundwater Elevations - LSG EW-8D Area



Appendix D

Hydrographs for Selected Nested Well Series

Figure D-1. Group B Corrected Graph - GM-9 Series Wells



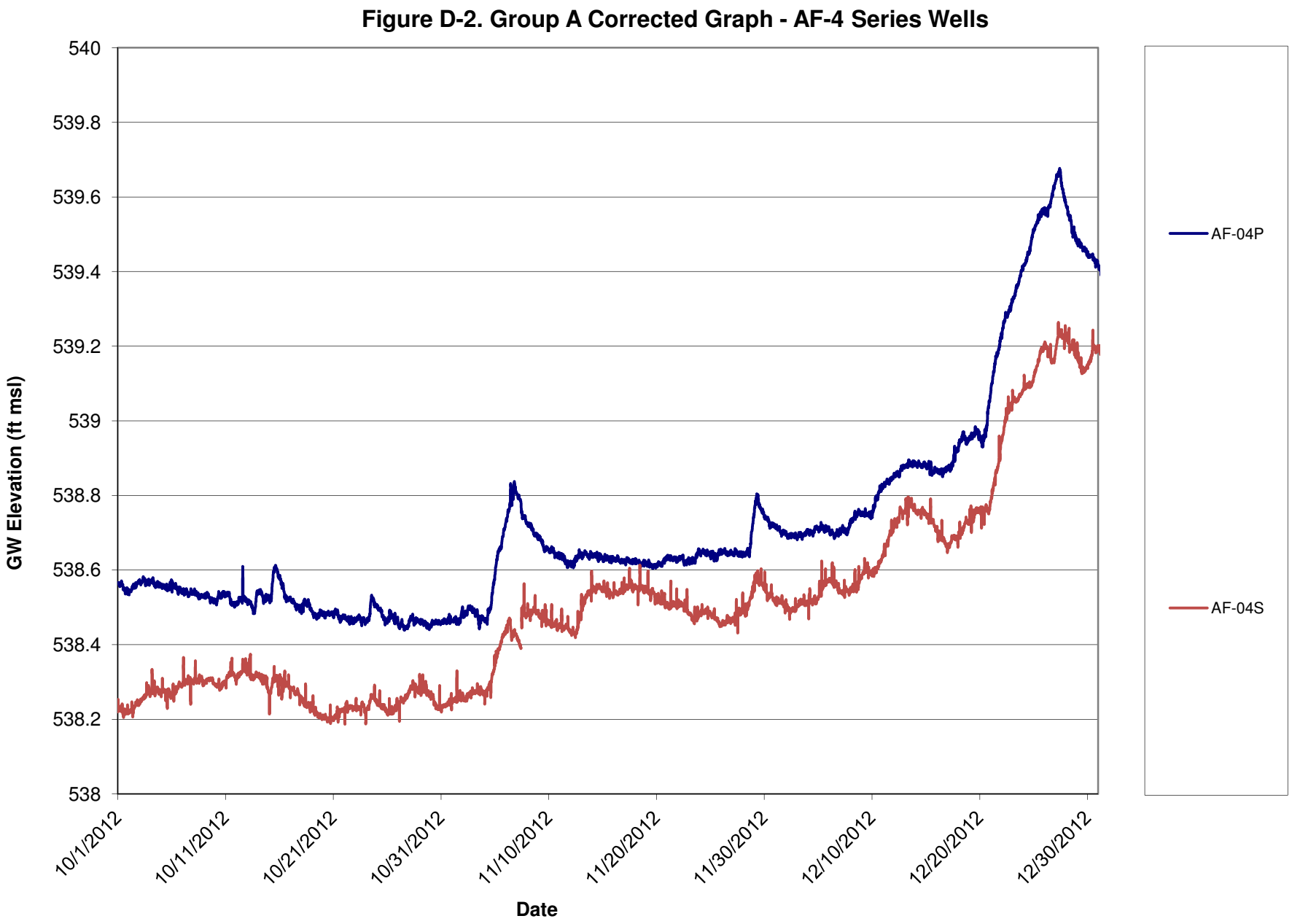


Figure D-2. Group A Corrected Graph - AF-4 Series Wells
GW Elevation (ft msl)
540
539.8
539.6
539.4
539.2
539
538.8
538.6
538.4
538.2
538
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
11/30/2012
12/10/2012
12/20/2012
12/30/2012
Date
AF-04P
AF-04S

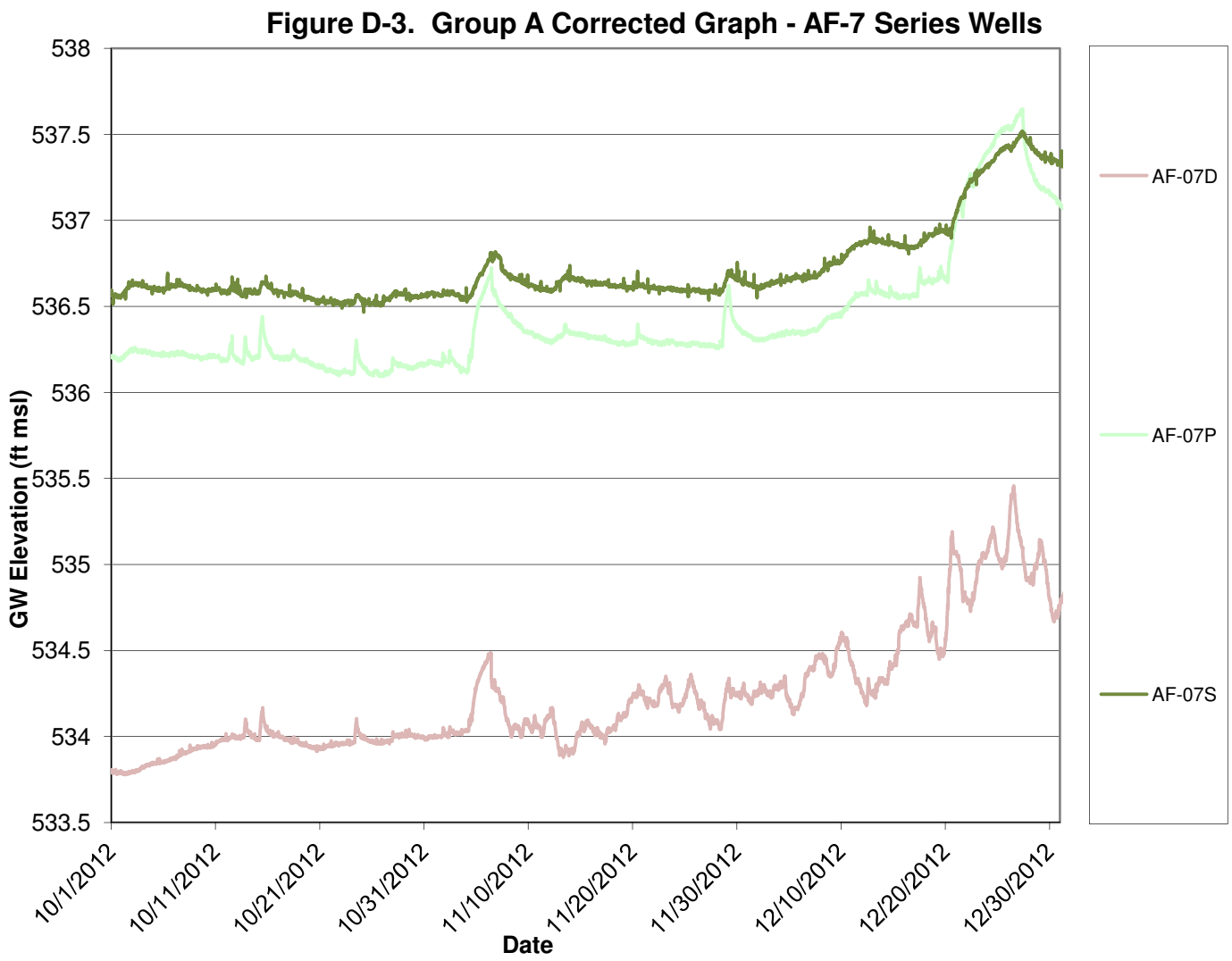


Figure D-3. Group A Corrected Graph - AF-7 Series Wells
538
537.5
537
536.5
536
535.5
535
534.5
534
533.5
GW Elevation (ft msl)
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
11/30/2012
12/10/2012
12/20/2012
12/30/2012
Date
AF-07D
AF-07P
AF-07S

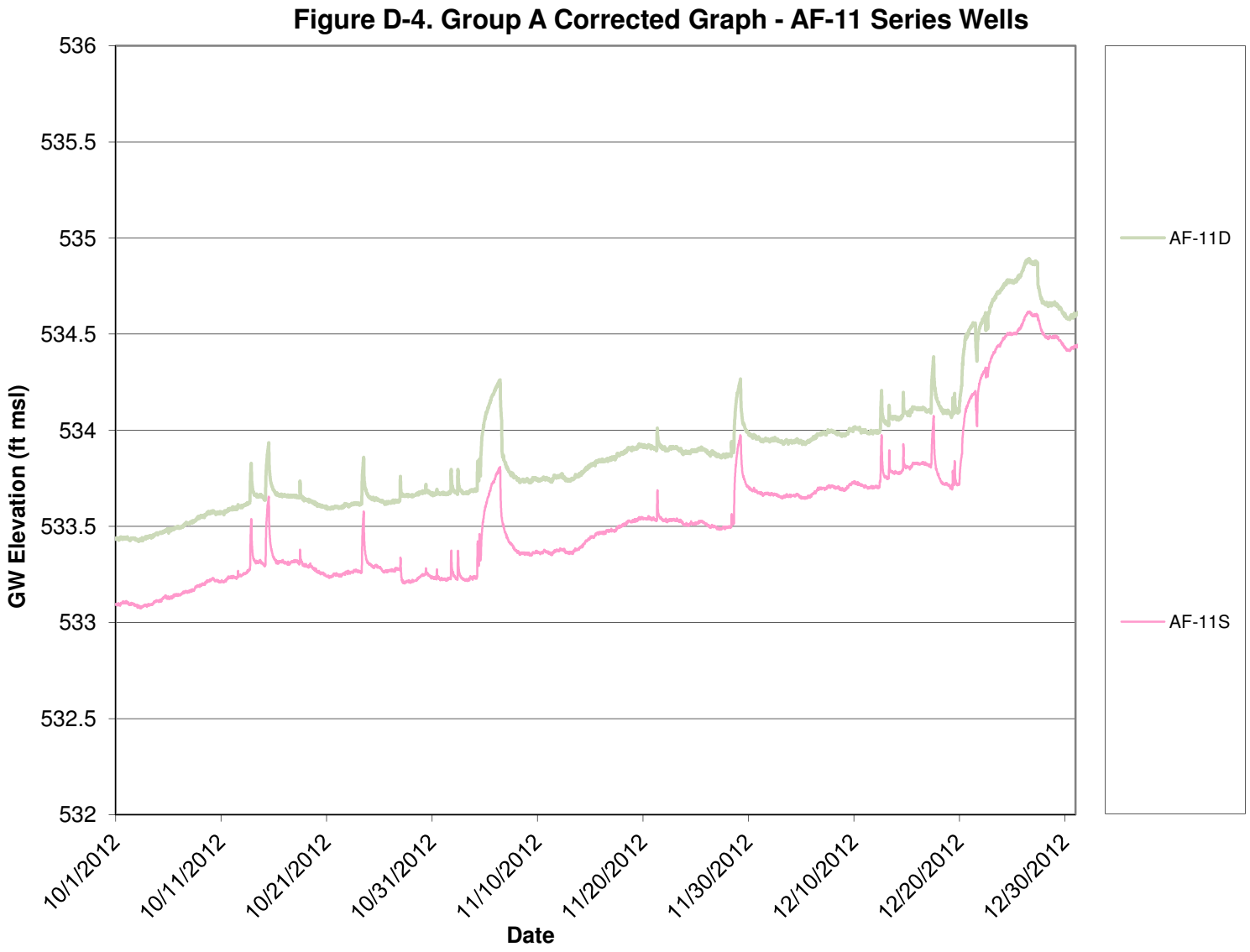


Figure D-4. Group A Corrected Graph - AF-11 Series Wells
536
535.5
535
534.5
534
533.5
533
532.5
532
GW Elevation (ft msl)
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
11/30/2012
12/10/2012
12/20/2012
12/30/2012
Date
AF-11D
AF-11S

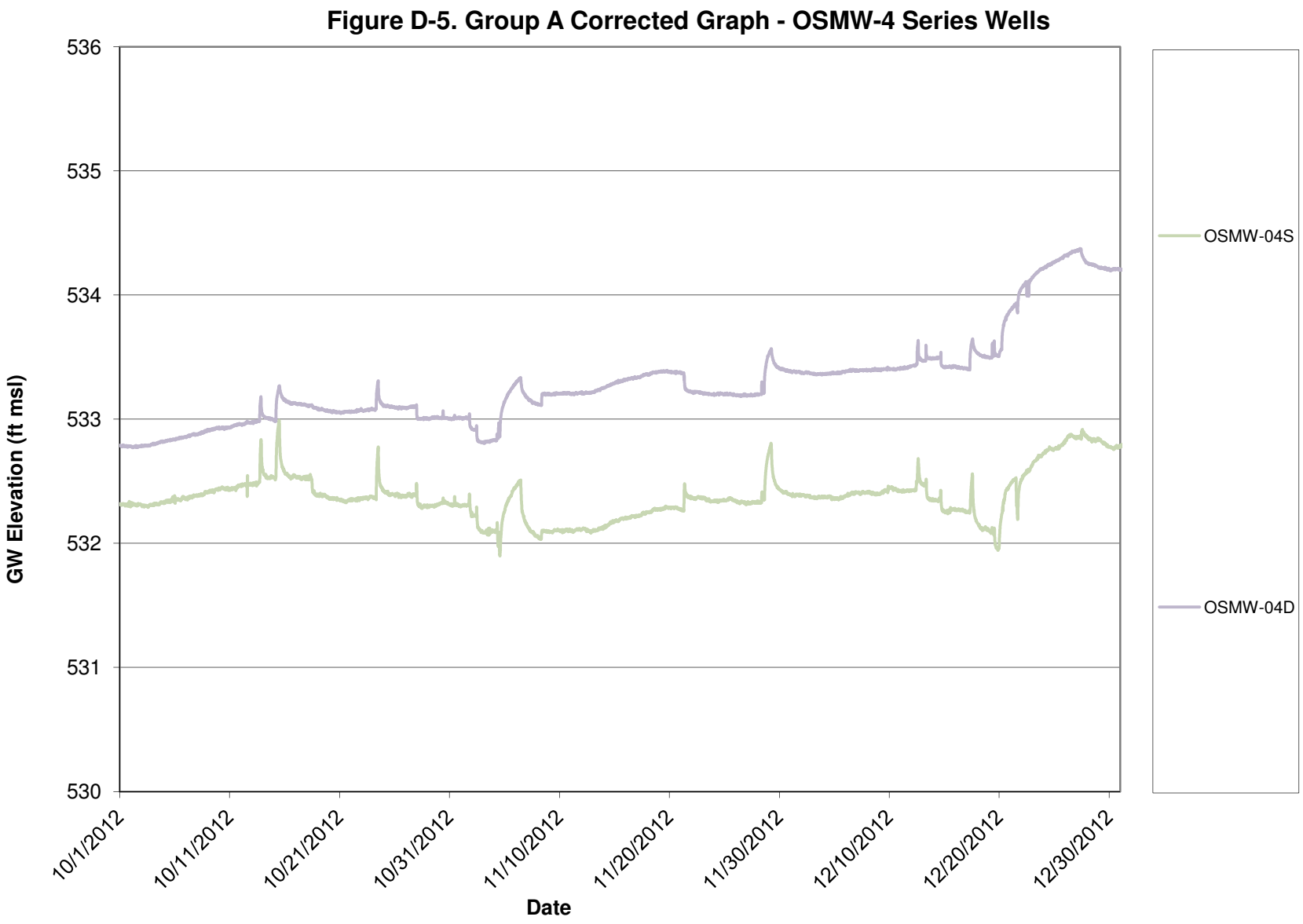


Figure D-5. Group A Corrected Graph - OSMW-4 Series Wells
536
535
534
533
532
531
530
GW Elevation (ft msl)
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
11/30/2012
12/10/2012
12/20/2012
12/30/2012
Date
OSMW-04S
OSMW-04D

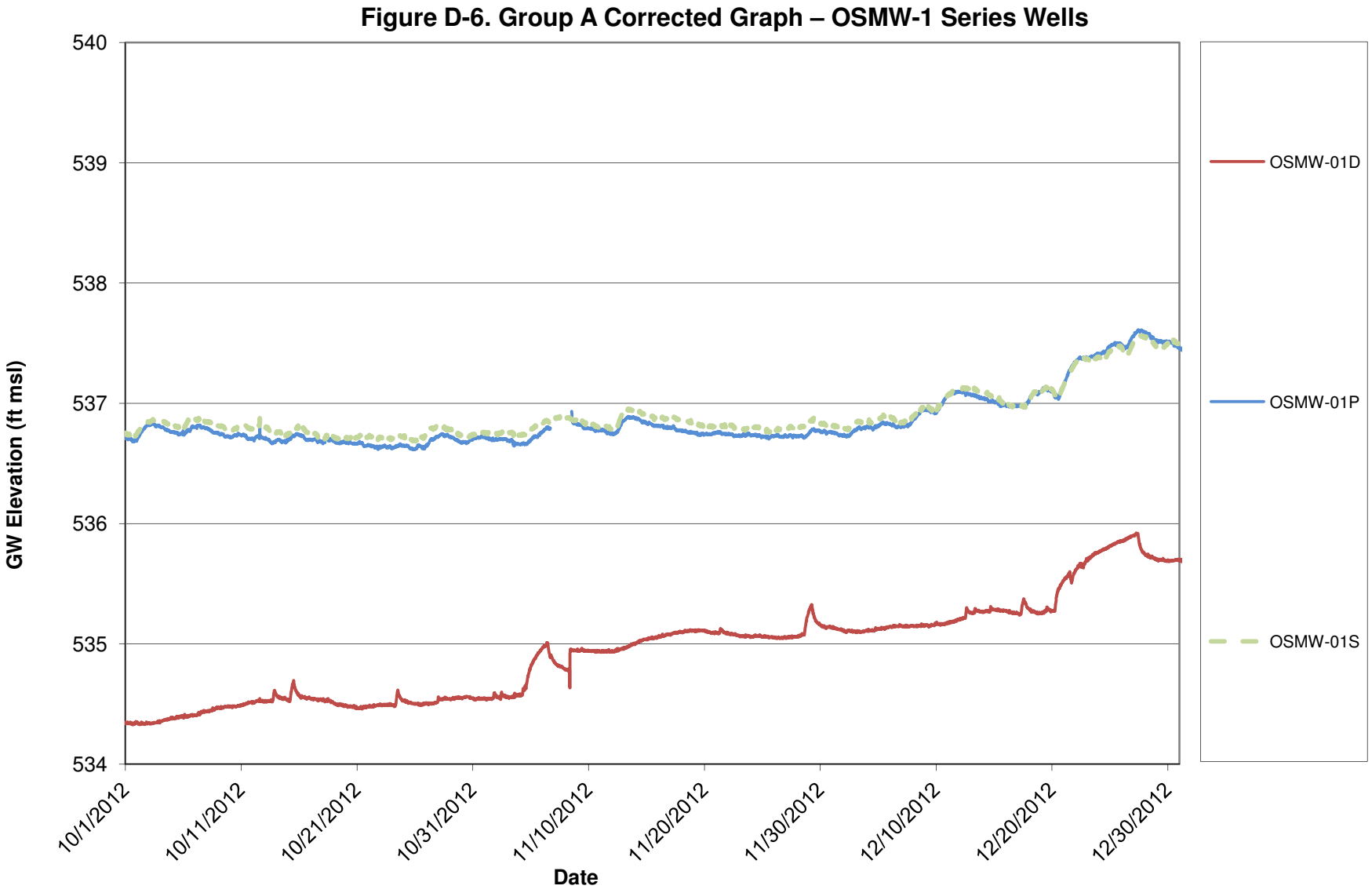


Figure D-6. Group A Corrected Graph – OSMW-1 Series Wells
GW Elevation (ft msl)
540
539
538
537
536
535
534
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
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12/30/2012
Date
OSMW-01D
OSMW-01P
OSMW-01S

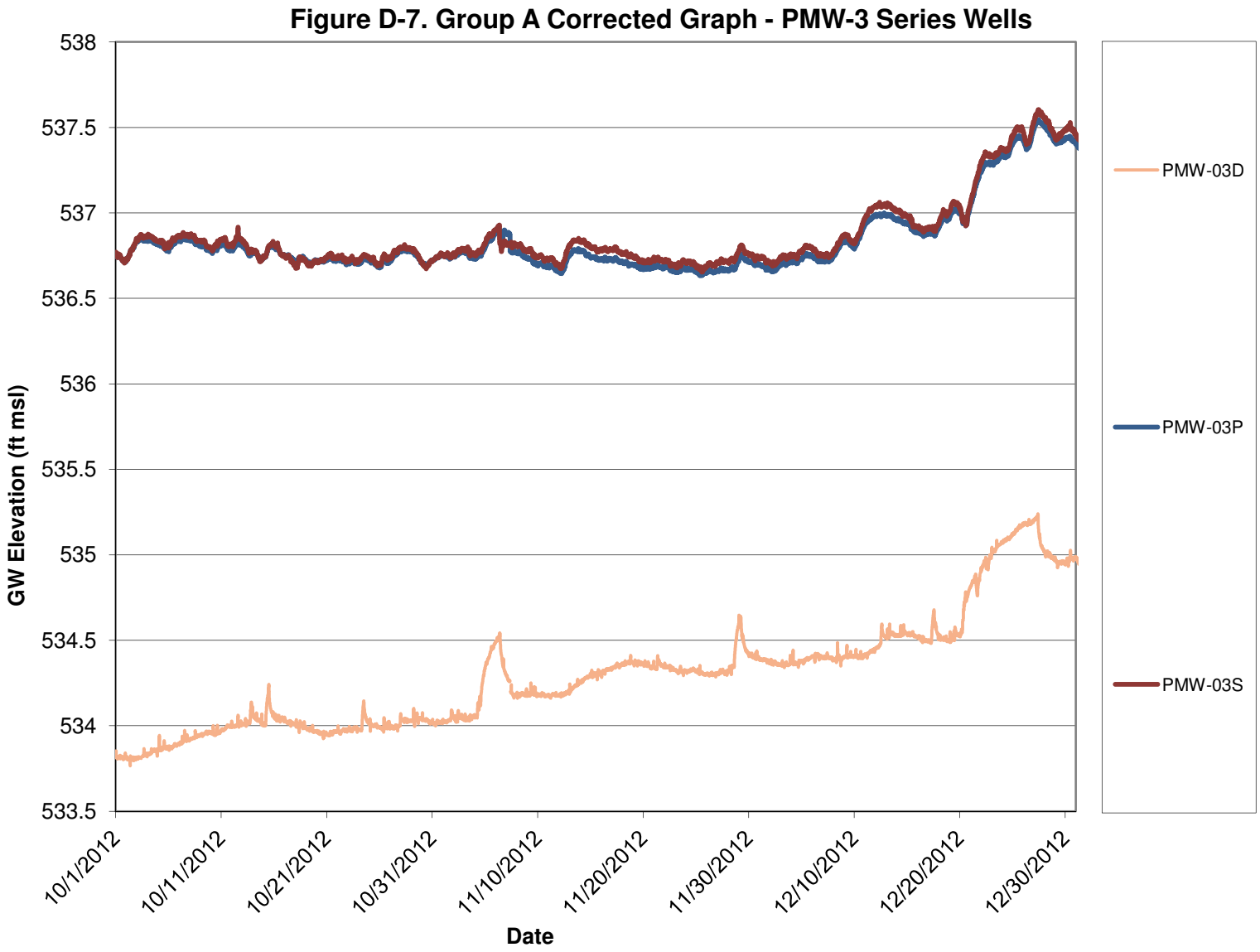


Figure D-7. Group A Corrected Graph - PMW-3 Series Wells
538
537.5
537
536.5
536
535.5
535
534.5
534
533.5
GW Elevation (ft msl)
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
11/30/2012
12/10/2012
12/20/2012
12/30/2012
Date
PMW-03D
PMW-03P
PMW-03S

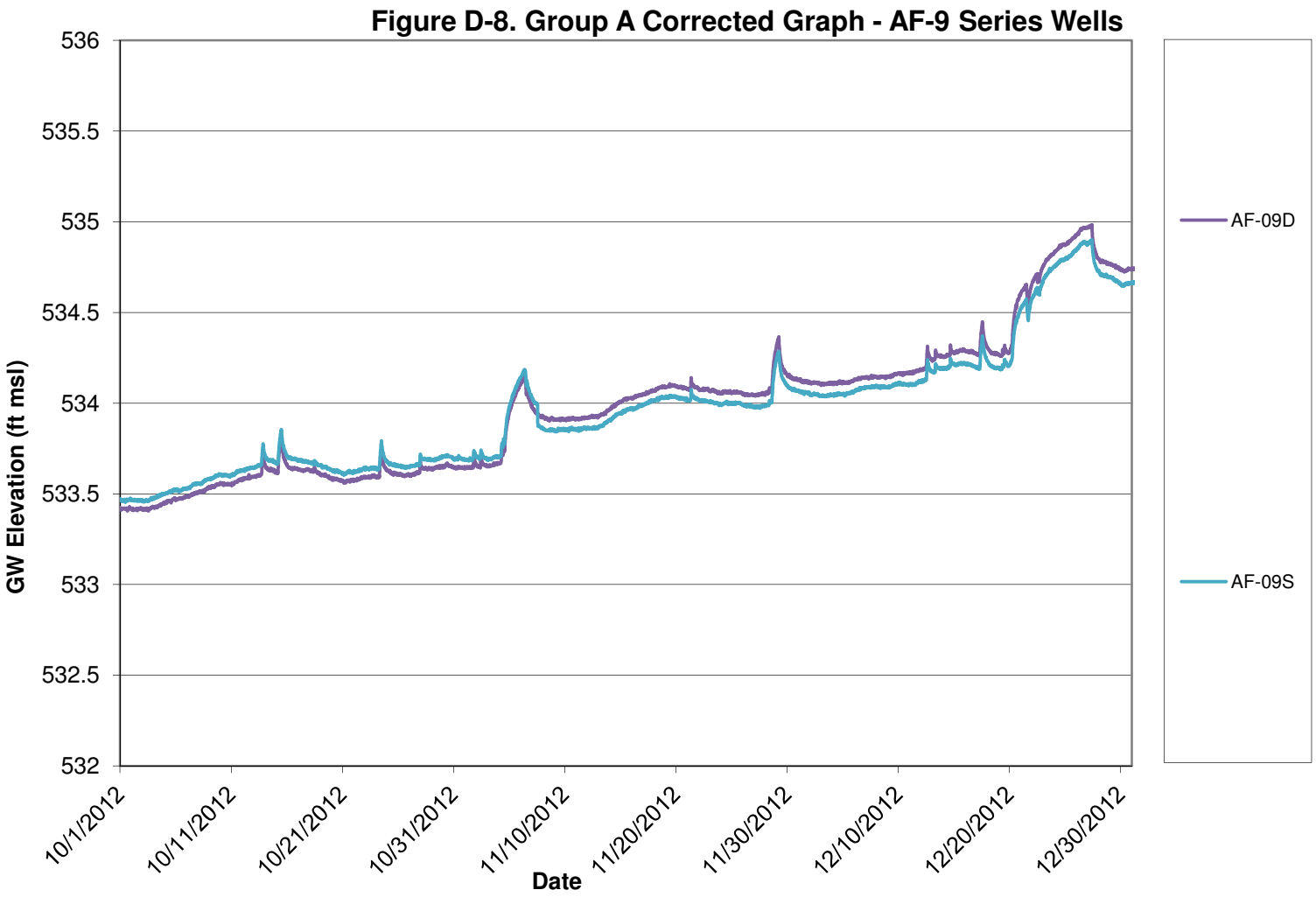
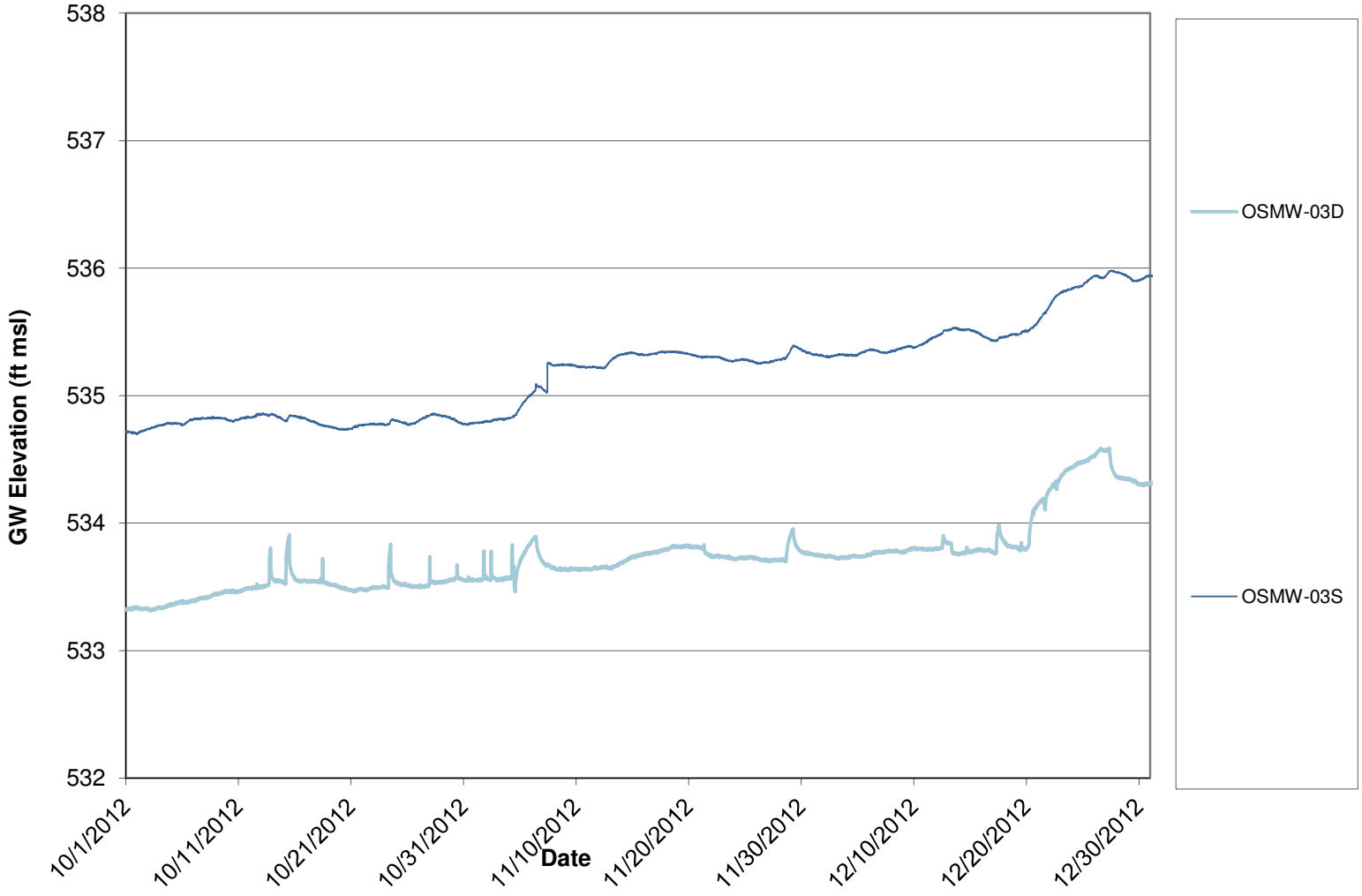


Figure D-8. Group A Corrected Graph - AF-9 Series Wells
536
535.5
535
534.5
534
533.5
533
532.5
532
GW Elevation (ft msl)
10/1/2012
10/11/2012
10/21/2012
10/31/2012
11/10/2012
11/20/2012
11/30/2012
12/10/2012
12/20/2012
12/30/2012
Date
AF-09D
AF-09S

Figure D-9. Group A Corrected Graph - OSMW-3 Series Wells



Appendix E

Field Parameters and Total VOC Concentration Plots for Select Monitoring Wells

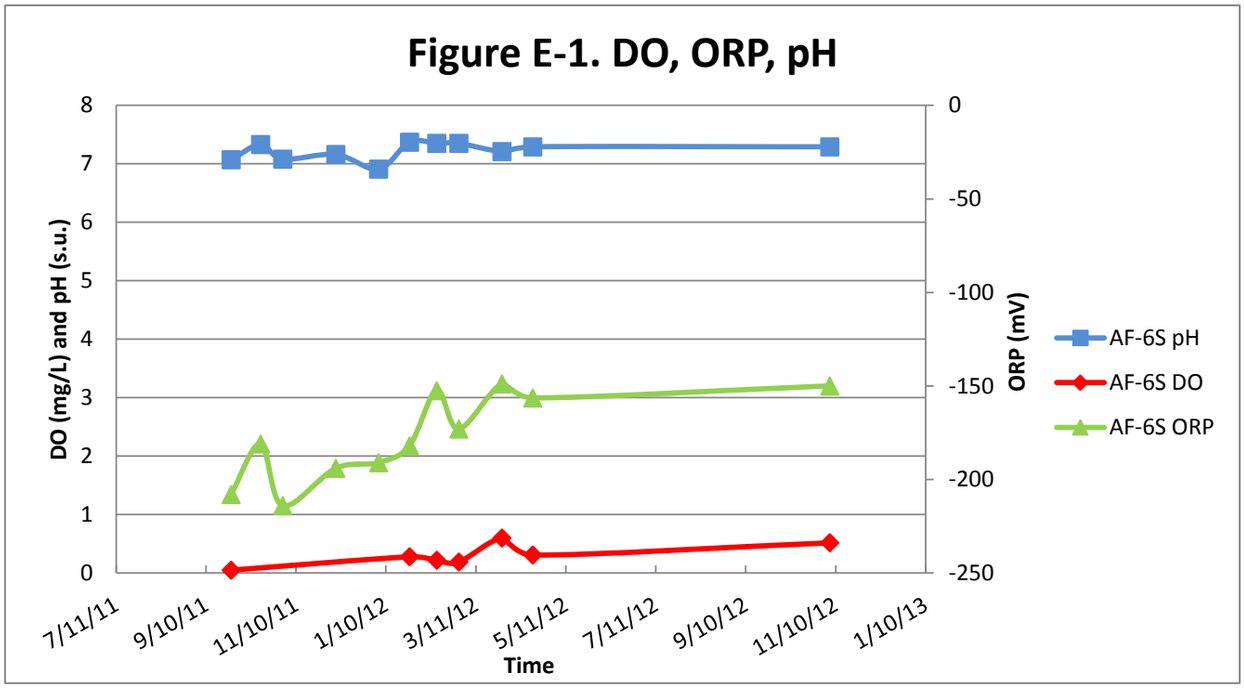


Figure E-1. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-6S pH
AF-6S DO
AF-6S ORP
8
7
6
5
4
3
2
1
0
0
-50
-100
-150
-200
-250
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13

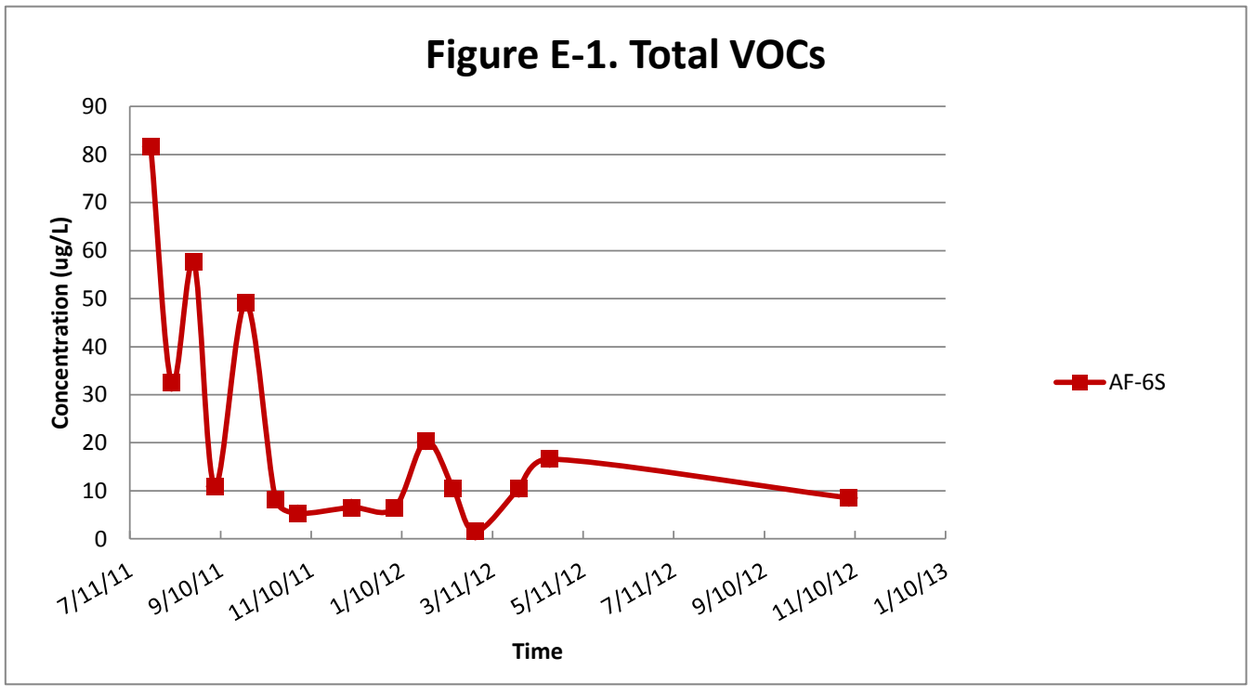


Figure E-1. Total VOCs
Concentration (ug/L)
Time
AF-6S
90
80
70
60
50
40
30
20
10
0
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13

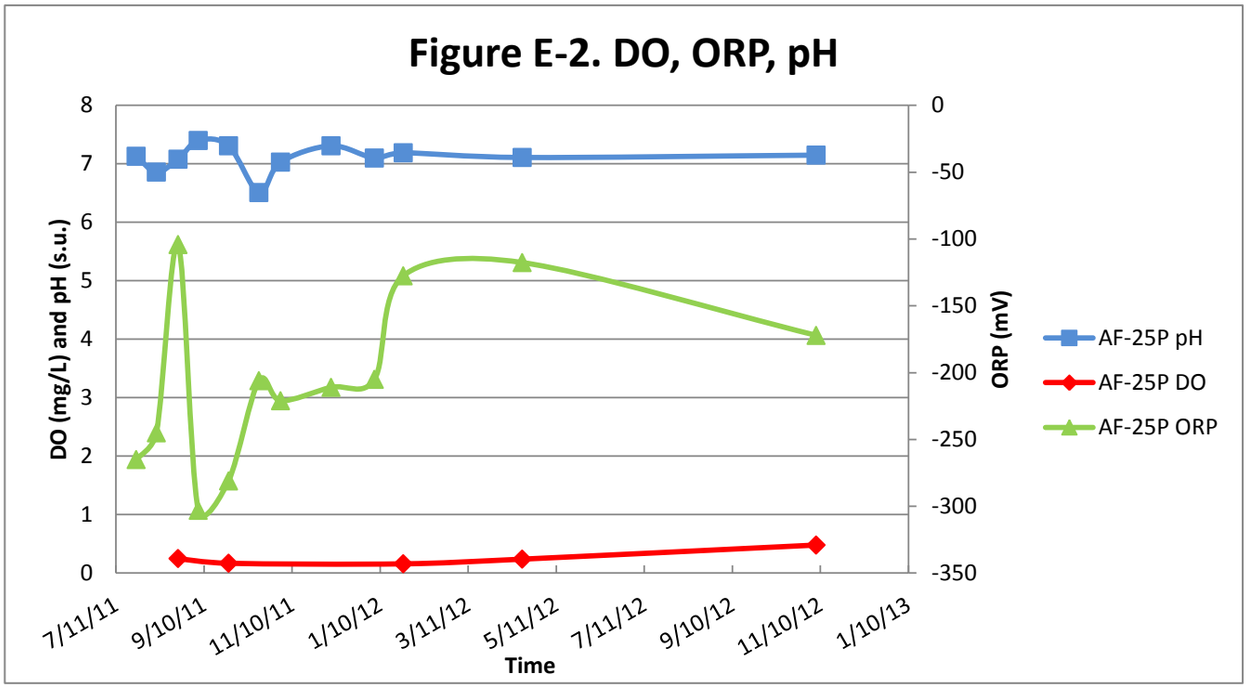


Figure E-2. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-25P pH
AF-25P DO
AF-25P ORP
8
7
6
5
4
3
2
1
0
0
-50
-100
-150
-200
-250
-300
-350
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
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9/10/12
11/10/12
1/10/13

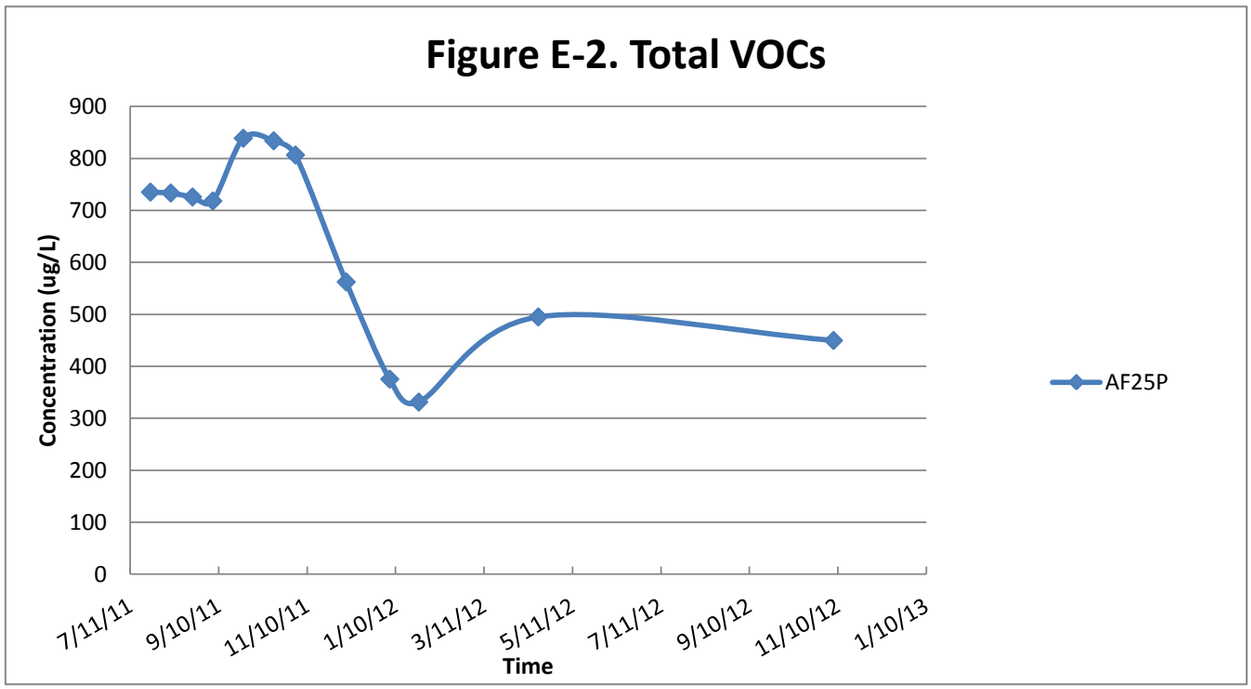
Figure E-2. Total VOCs
Concentration (ug/L)
Time
AF25P
900
800
700
600
500
400
300
200
100
0
7/11/11
9/10/11
11/10/11
1/10/12
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9/10/12
11/10/12
1/10/13

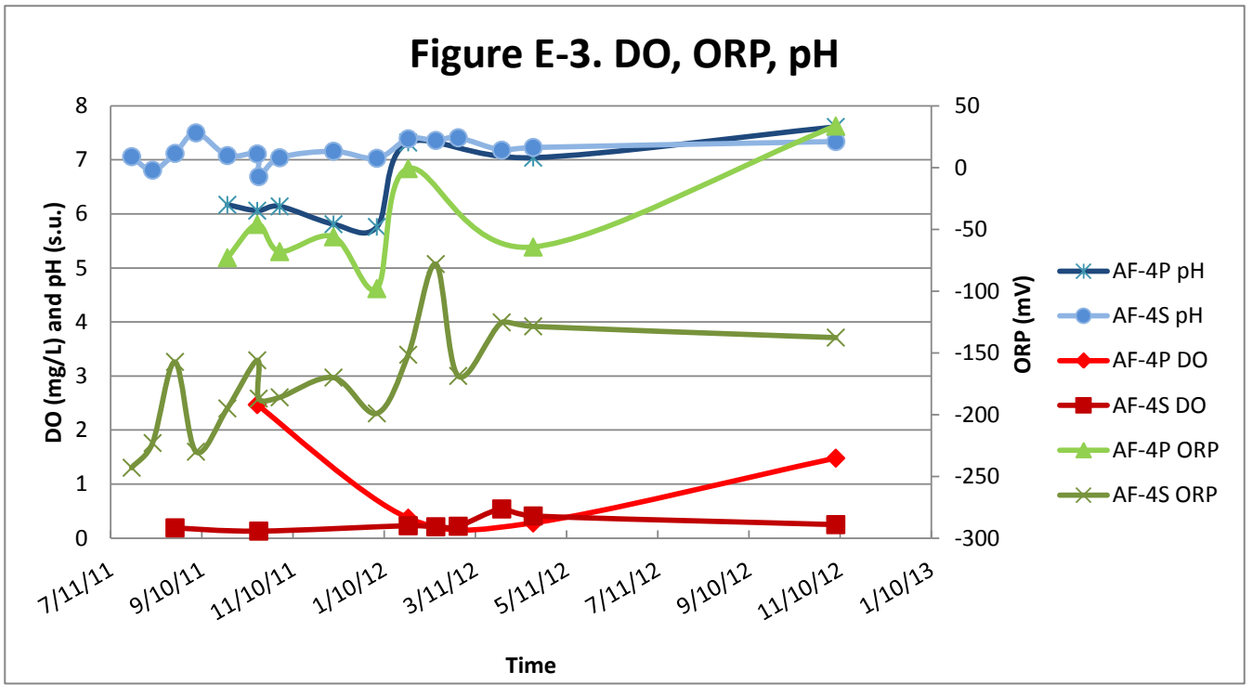


Figure E-3. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-4P pH
AF-4S pH
AF-4P DO
AF-4S DO
AF-4P ORP
AF-4S ORP
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13

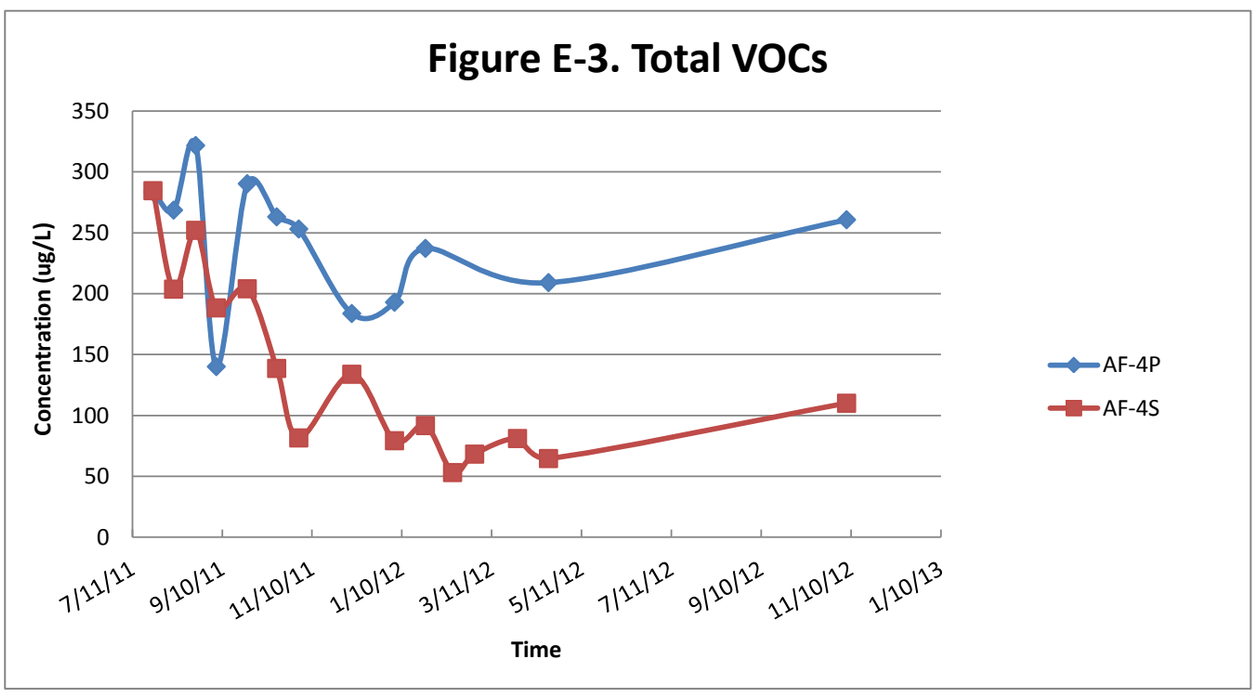


Figure E-3. Total VOCs
Concentration (ug/L)
Time
AF-4P
AF-4S
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13

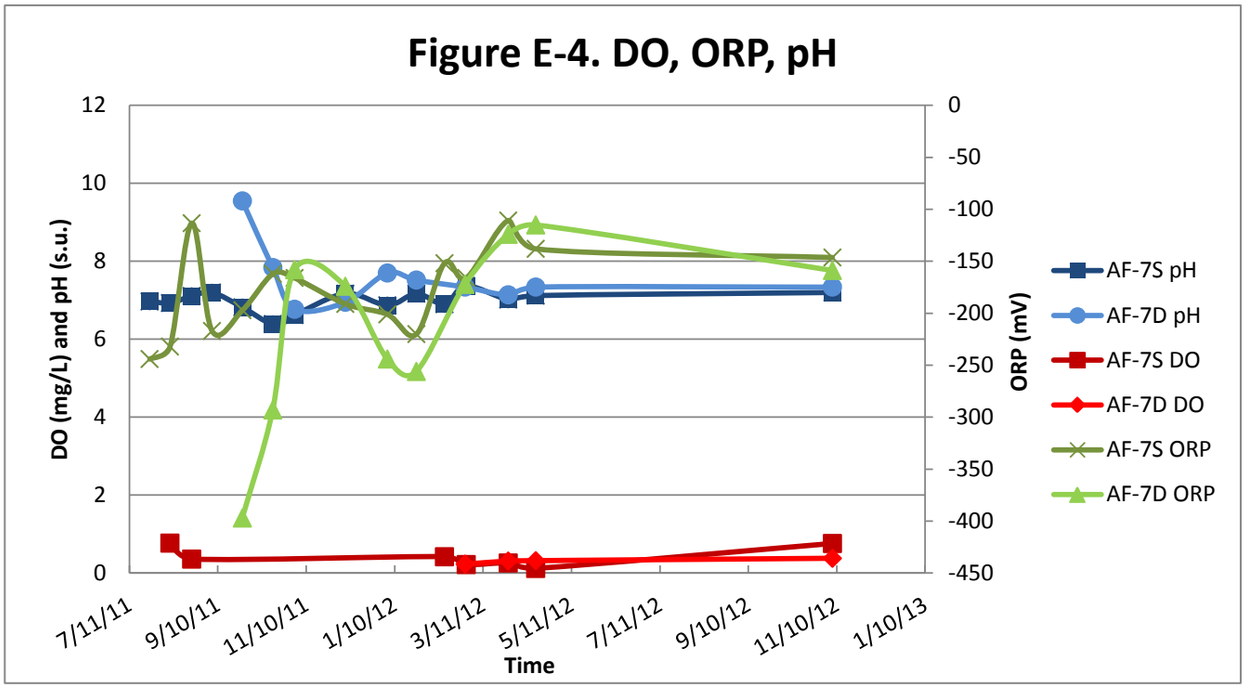


Figure E-4. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
12
10
8
6
4
2
0
0
-50
-100
-150
-200
-250
-300
-350
-400
-450
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
AF-7S pH
AF-7D pH
AF-7S DO
AF-7D DO
AF-7S ORP
AF-7D ORP

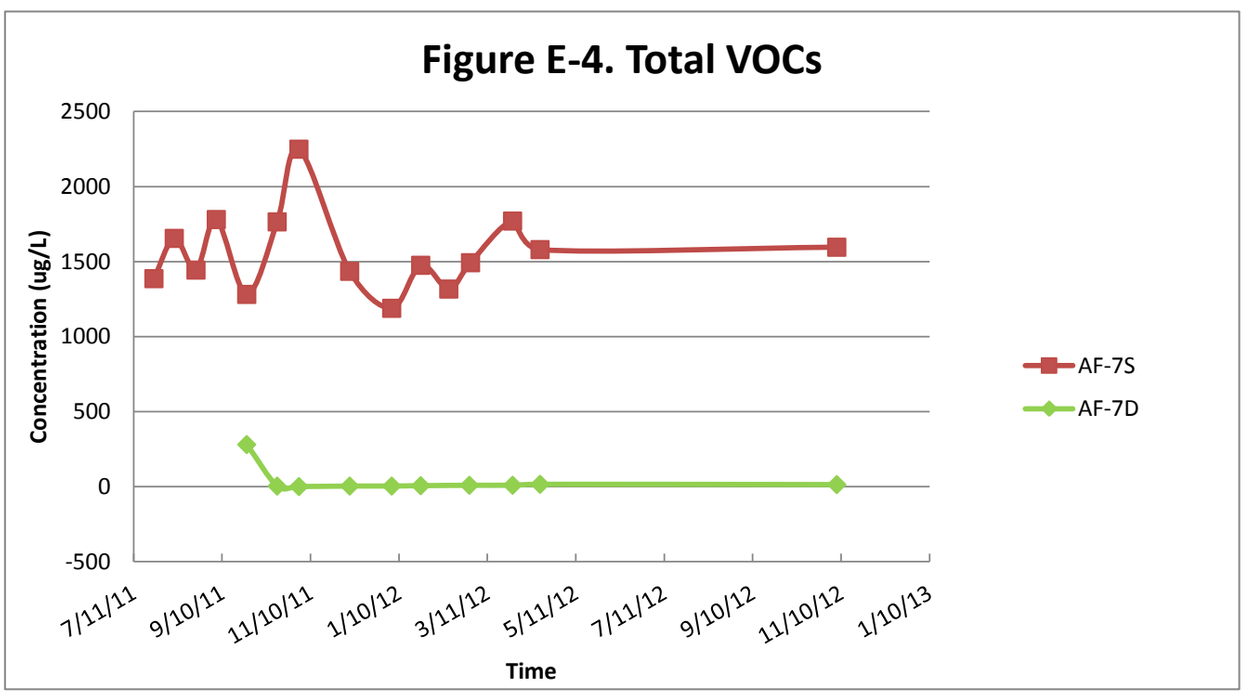


Figure E-4. Total VOCs
Concentration (ug/L)
Time
2500
2000
1500
1000
500
0
-500
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
AF-7S
AF-7D

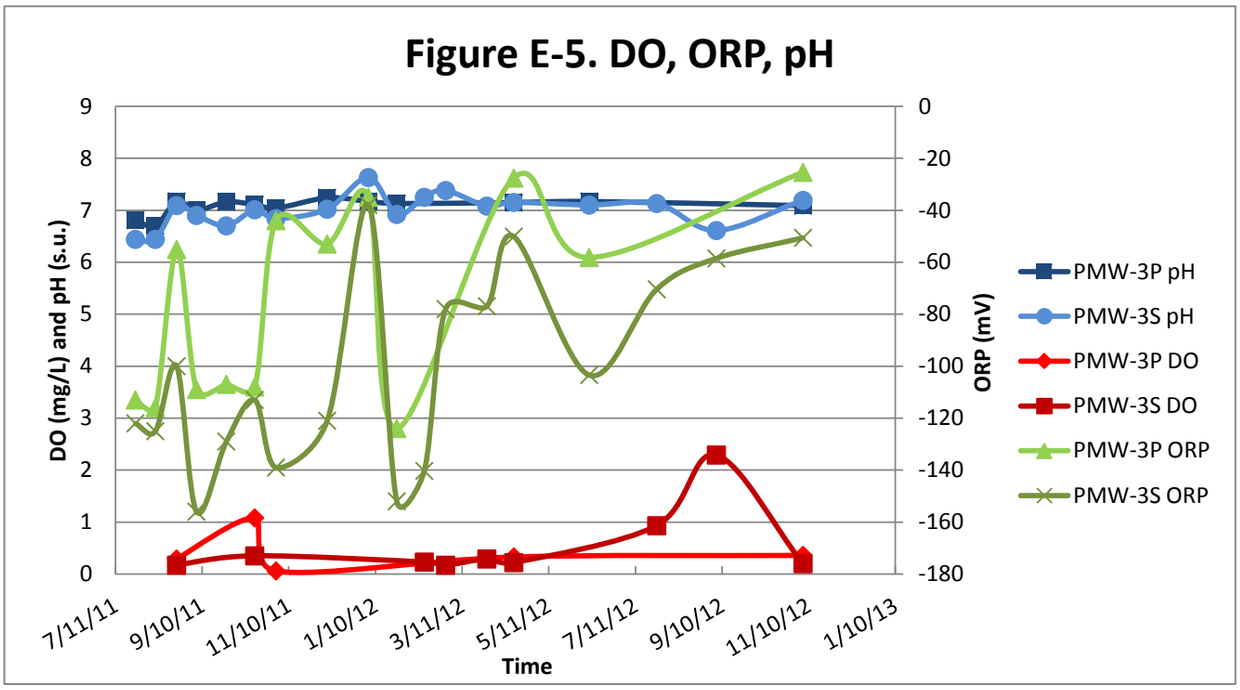


Figure E-5. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
9
8
7
6
5
4
3
2
1
0
0
-20
-40
-60
-80
-100
-120
-140
-160
-180
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
PMW-3P pH
PMW-3S pH
PMW-3P DO
PMW-3S DO
PMW-3P ORP
PMW-3S ORP

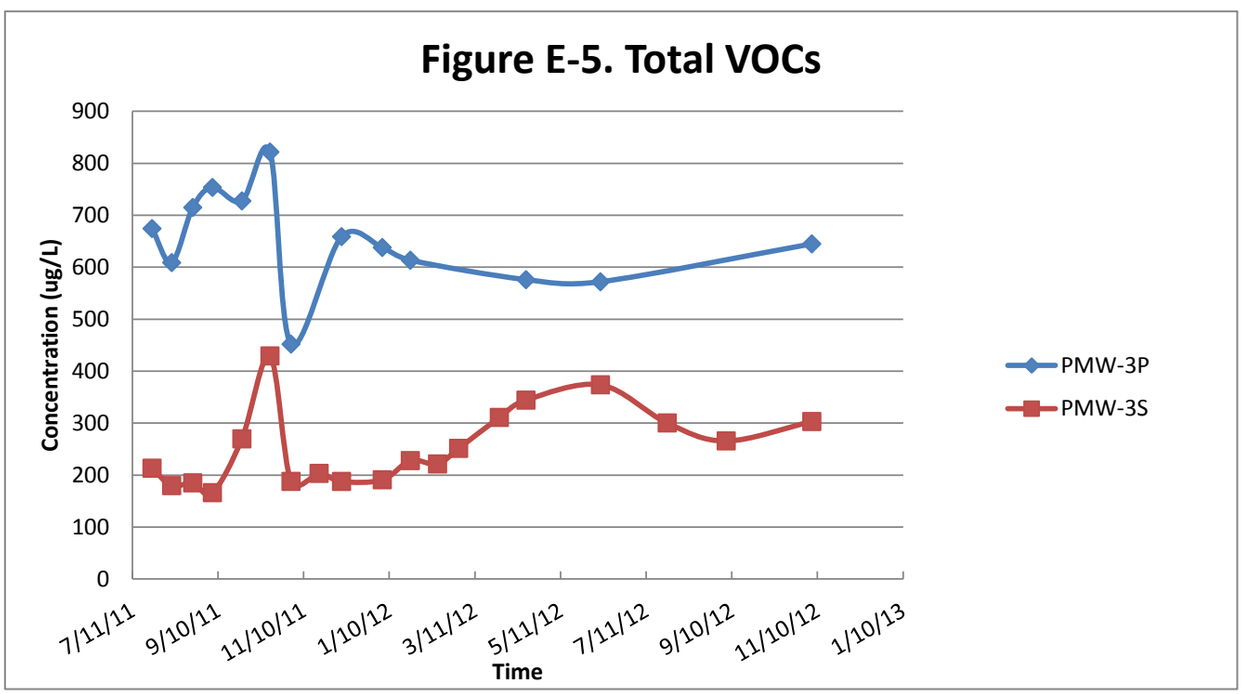


Figure E-5. Total VOCs
Concentration (ug/L)
Time
900
800
700
600
500
400
300
200
100
0
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
PMW-3P
PMW-3S

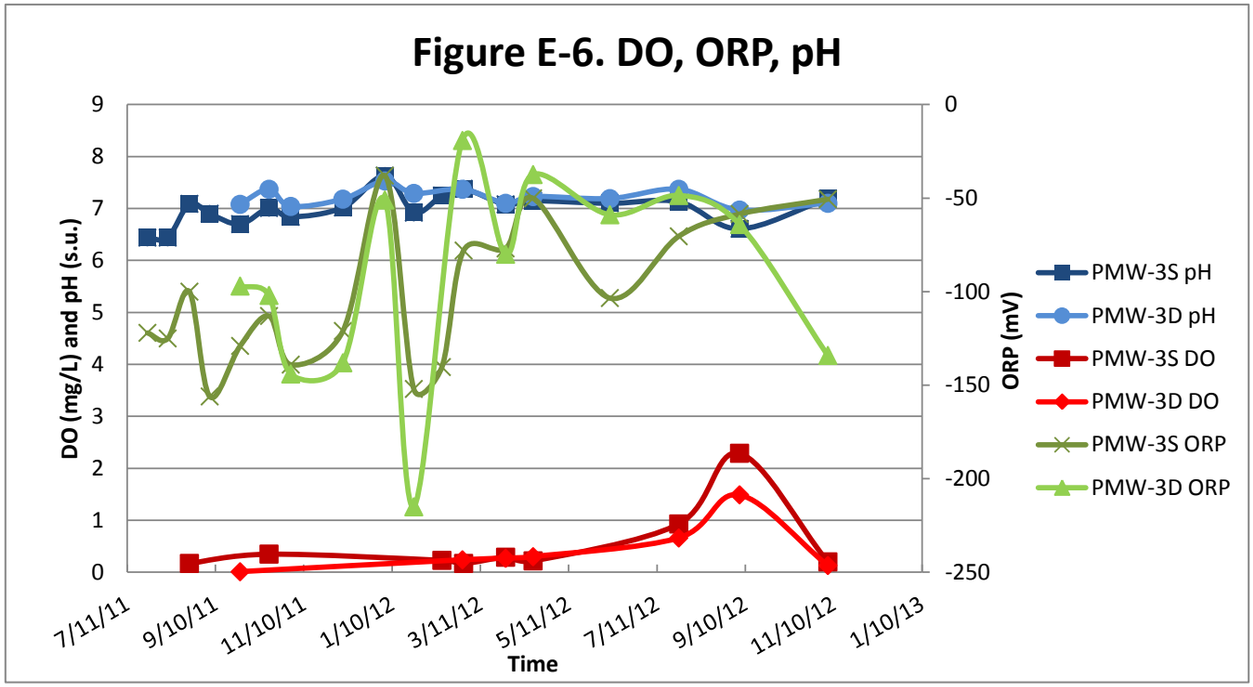


Figure E-6. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
PMW-3S pH
PMW-3D pH
PMW-3S DO
PMW-3D DO
PMW-3S ORP
PMW-3D ORP

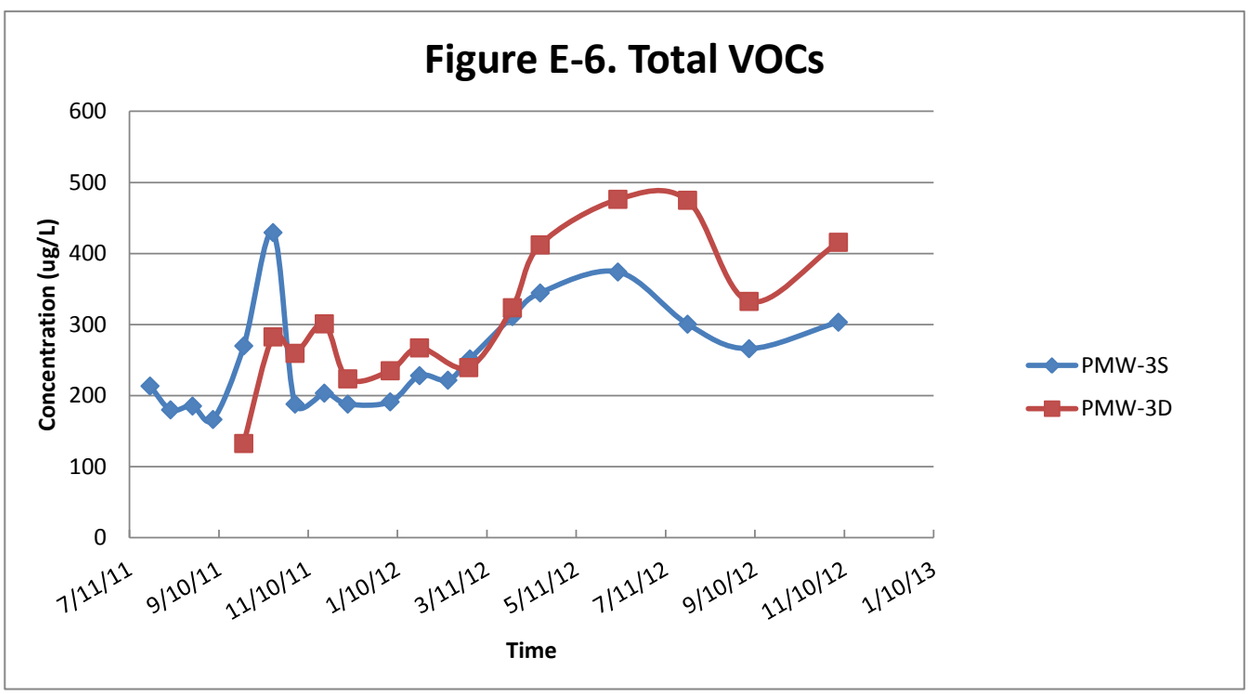


Figure E-6. Total VOCs
Concentration (ug/L)
Time
PMW-3S
PMW-3D

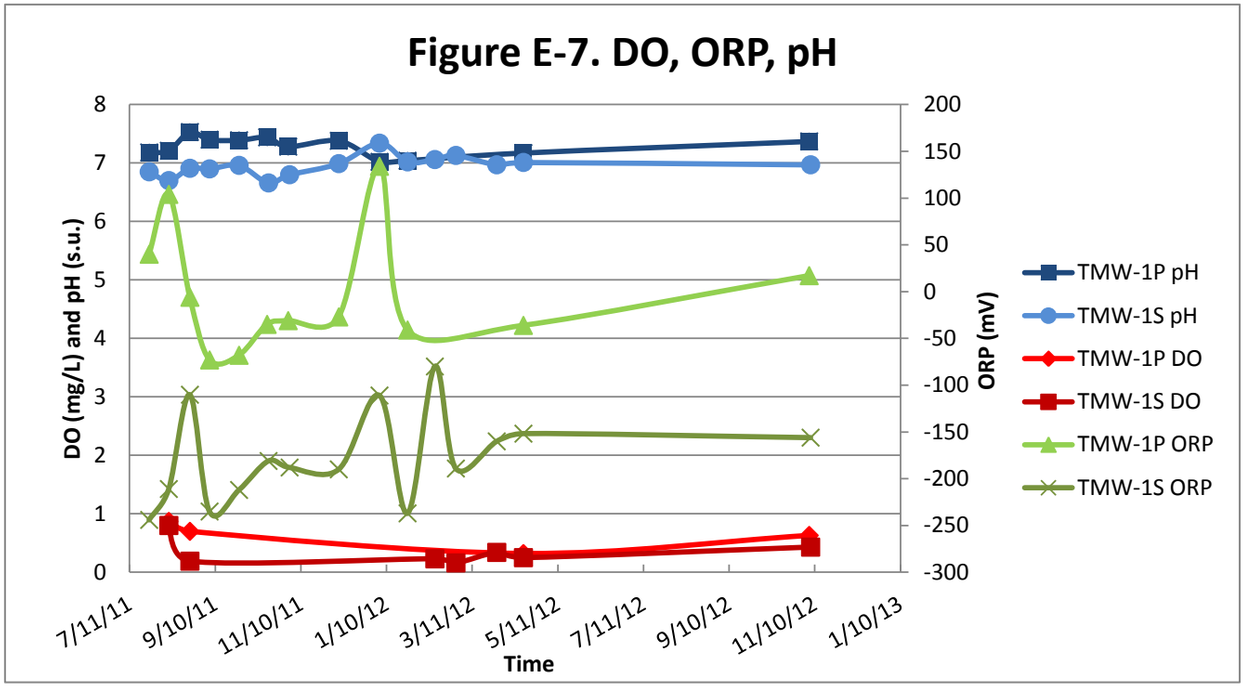


Figure E-7. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
TMW-1P pH
TMW-1S pH
TMW-1P DO
TMW-1S DO
TMW-1P ORP
TMW-1S ORP

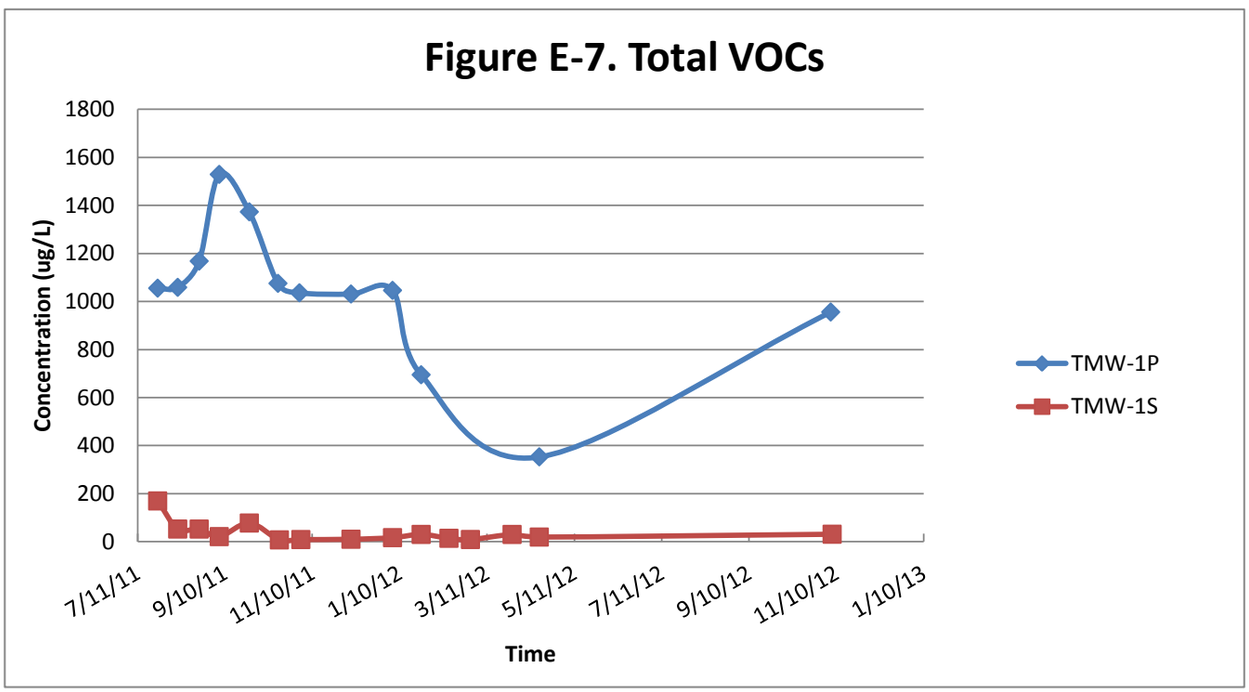


Figure E-7. Total VOCs
Concentration (ug/L)
Time
TMW-1P
TMW-1S

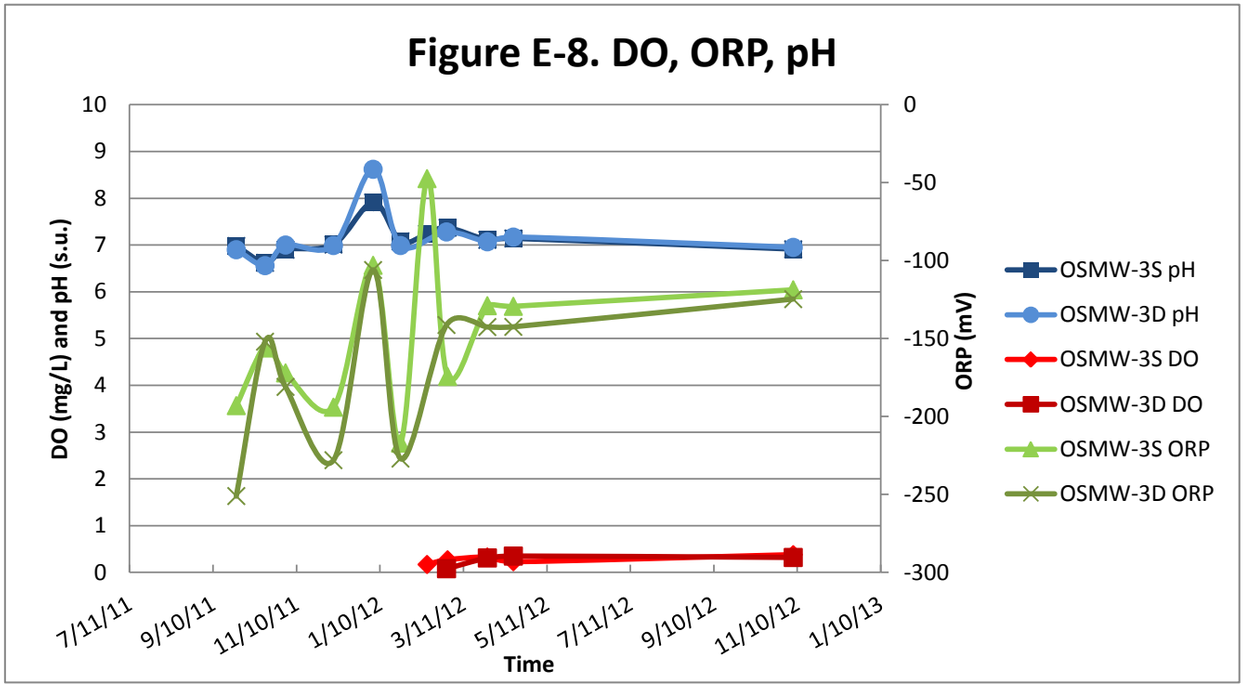


Figure E-8. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
10
9
8
7
6
5
4
3
2
1
0
0
-50
-100
-150
-200
-250
-300
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
OSMW-3S pH
OSMW-3D pH
OSMW-3S DO
OSMW-3D DO
OSMW-3S ORP
OSMW-3D ORP

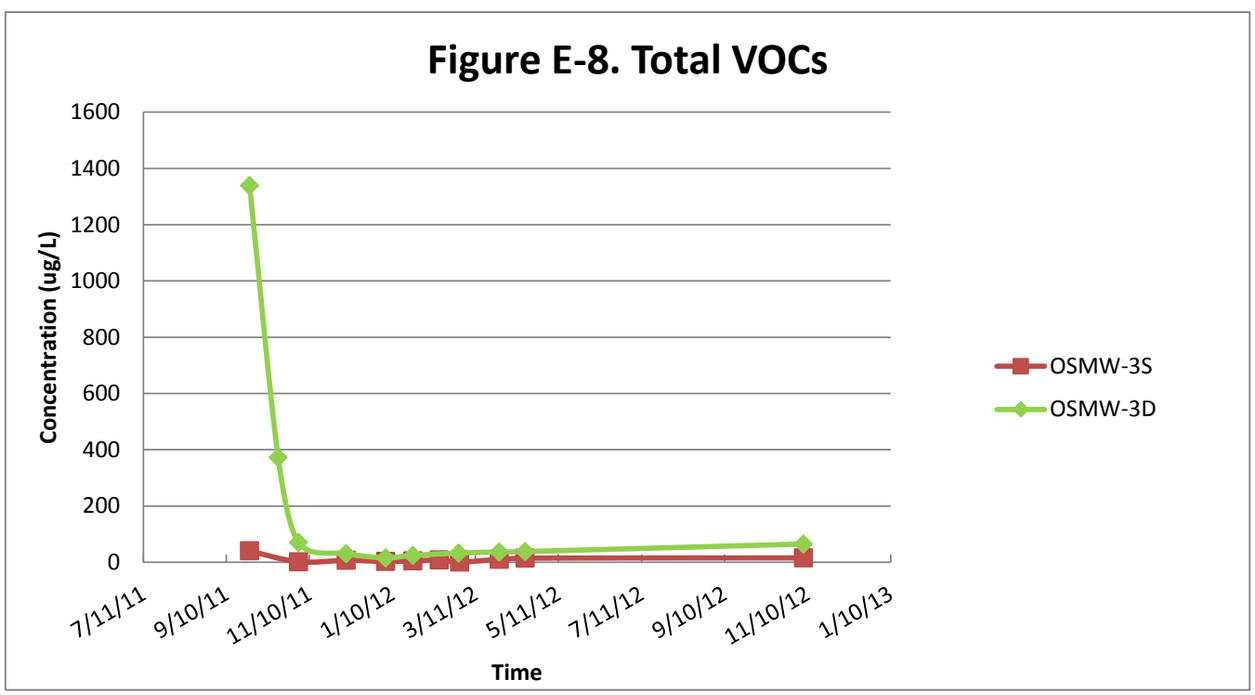


Figure E-8. Total VOCs
Concentration (ug/L)
Time
1600
1400
1200
1000
800
600
400
200
0
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
OSMW-3S
OSMW-3D

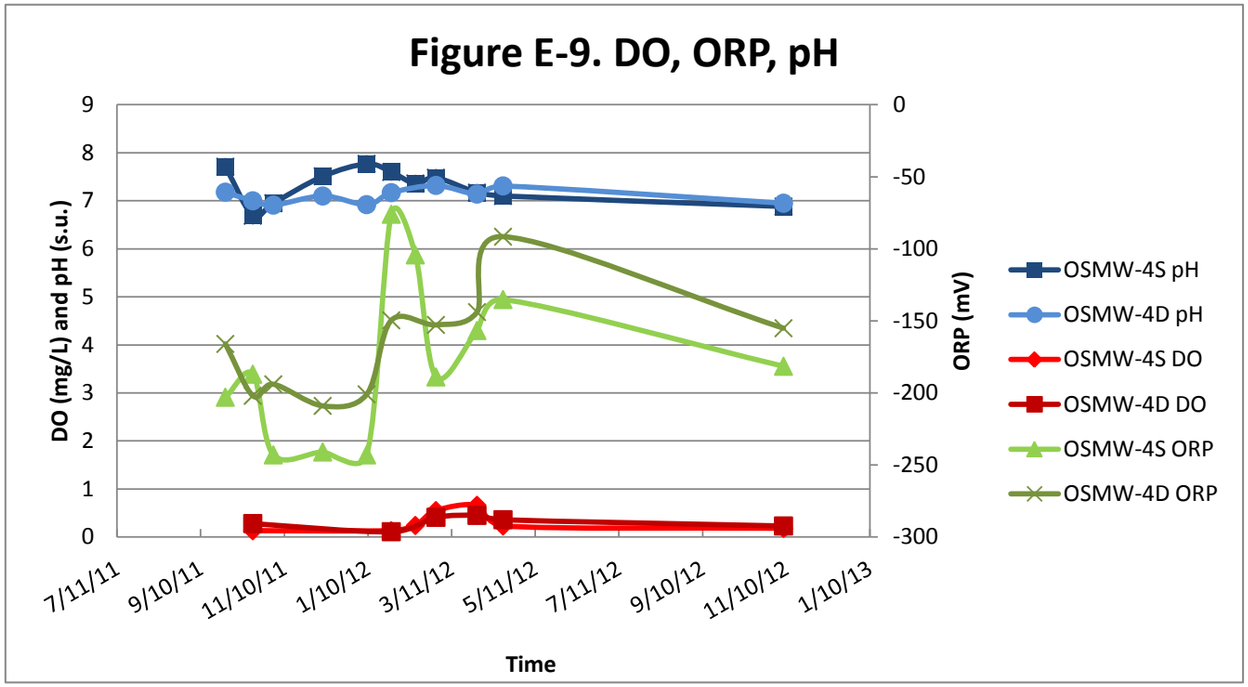


Figure E-9. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
9
8
7
6
5
4
3
2
1
0
0
-50
-100
-150
-200
-250
-300
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
OSMW-4S pH
OSMW-4D pH
OSMW-4S DO
OSMW-4D DO
OSMW-4S ORP
OSMW-4D ORP

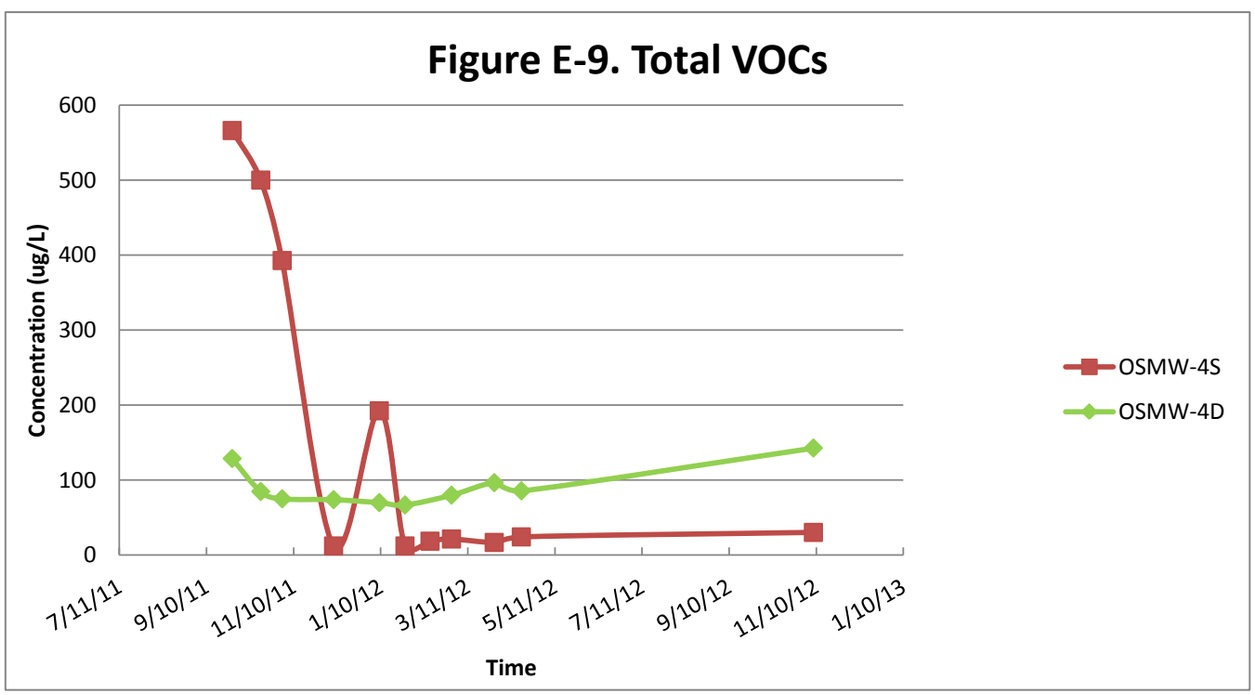


Figure E-9. Total VOCs
Concentration (ug/L)
Time
600
500
400
300
200
100
0
7/11/11
9/10/11
11/10/11
1/10/12
3/11/12
5/11/12
7/11/12
9/10/12
11/10/12
1/10/13
OSMW-4S
OSMW-4D

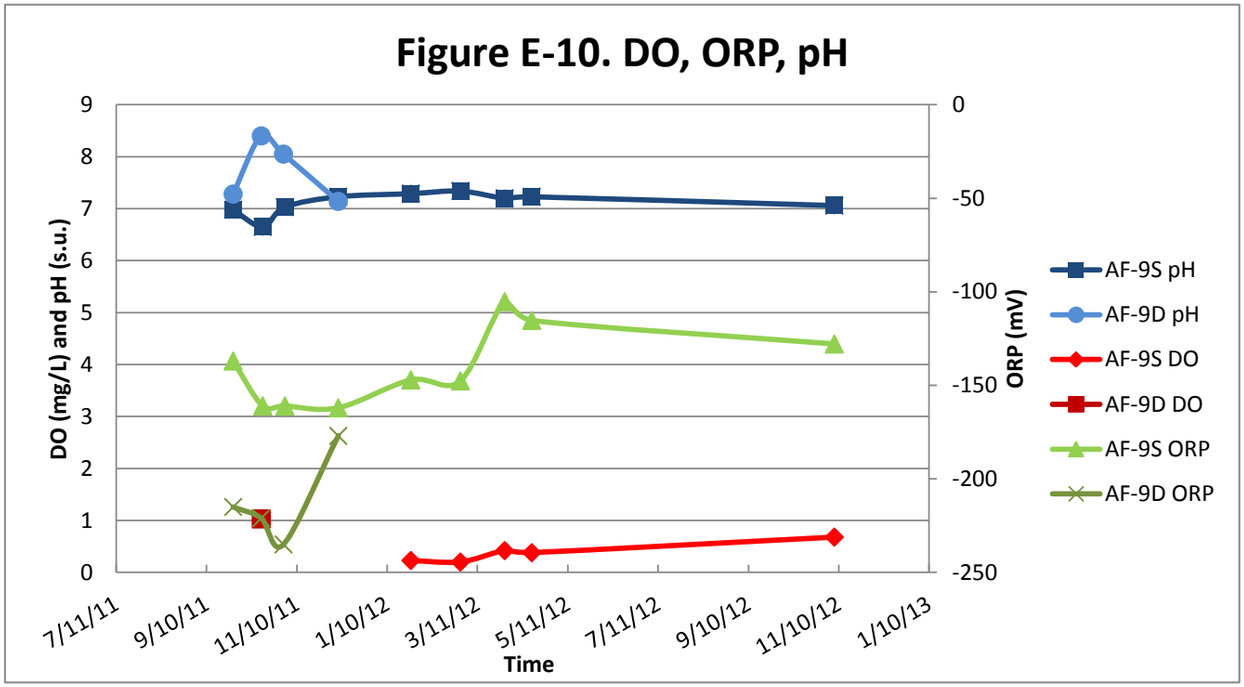


Figure E-10. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-9S pH
AF-9D pH
AF-9S DO
AF-9D DO
AF-9S ORP
AF-9D ORP

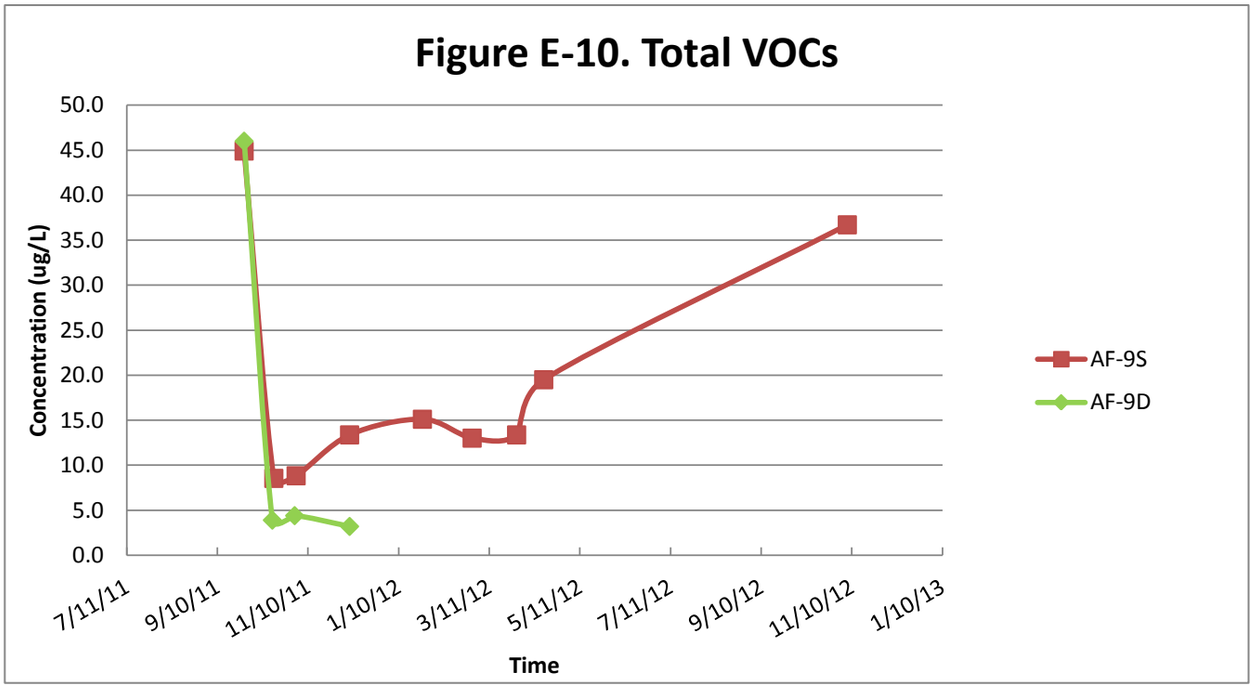


Figure E-10. Total VOCs
Concentration (ug/L)
Time
AF-9S
AF-9D

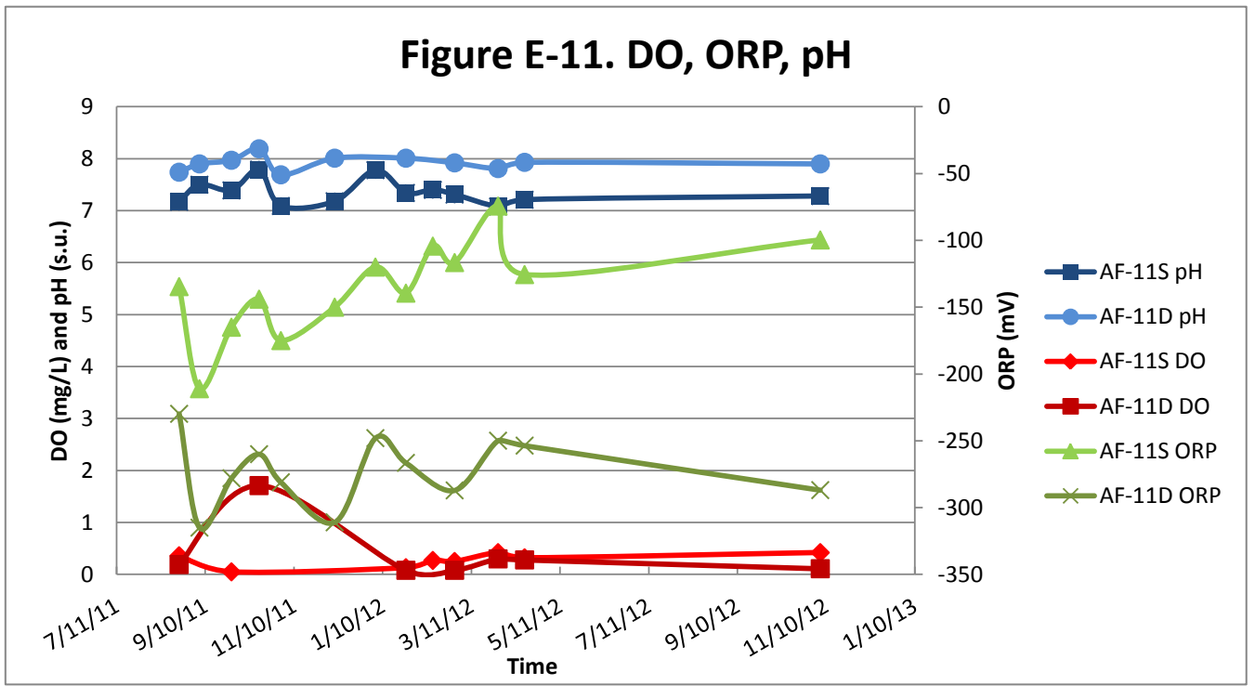


Figure E-11. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-11S pH
AF-11D pH
AF-11S DO
AF-11D DO
AF-11S ORP
AF-11D ORP

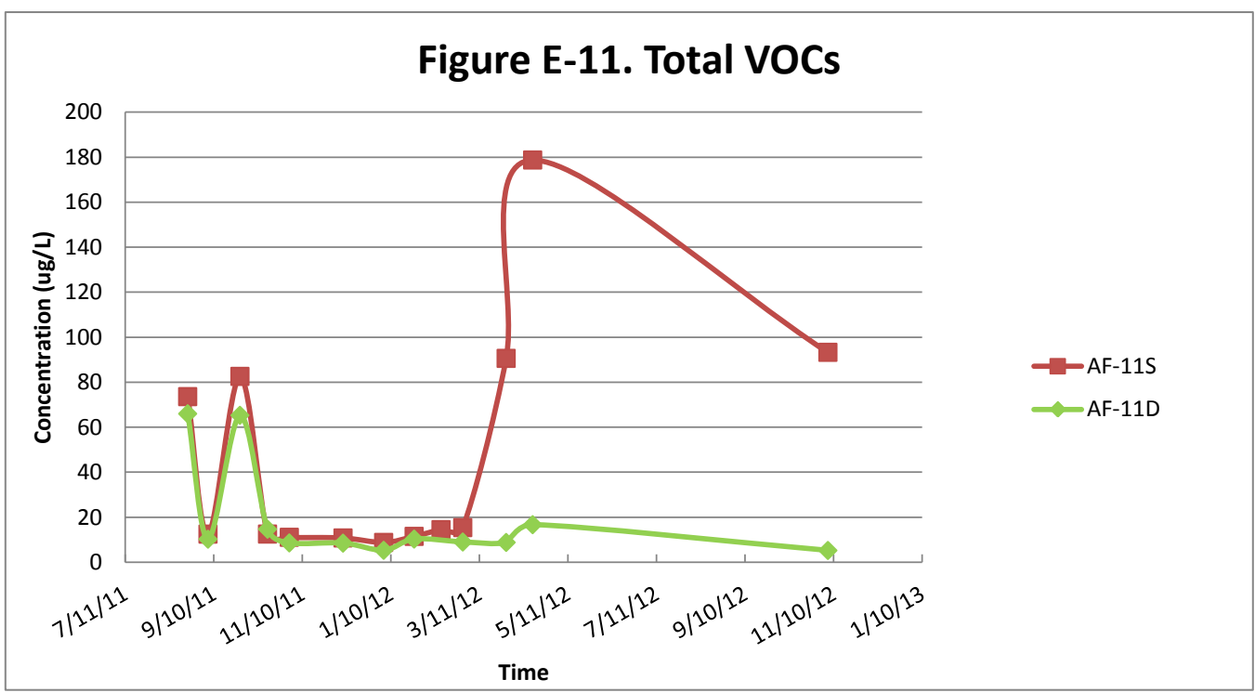


Figure E-11. Total VOCs
Concentration (ug/L)
Time
AF-11S
AF-11D

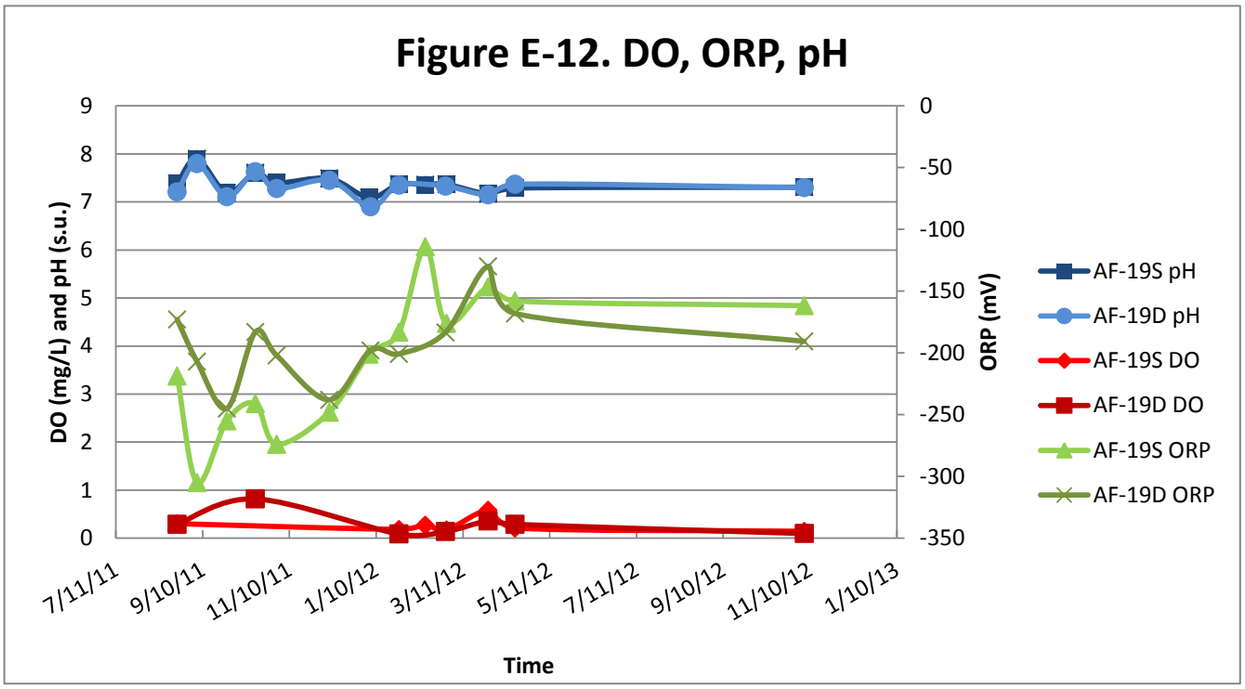


Figure E-12. DO, ORP, pH
DO (mg/L) and pH (s.u.)
ORP (mV)
Time
AF-19S pH
AF-19D pH
AF-19S DO
AF-19D DO
AF-19S ORP
AF-19D ORP

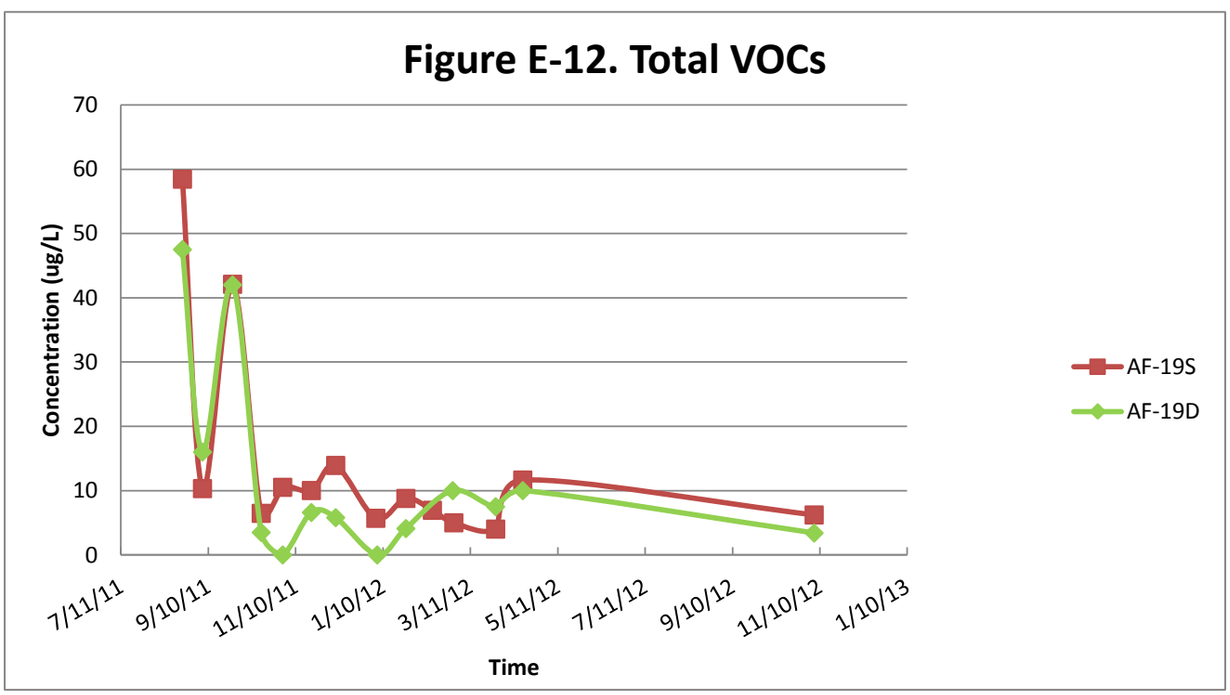


Figure E-12. Total VOCs
Concentration (ug/L)
Time
AF-19S
AF-19D

Appendix F

Total VOC and CVOC Concentration Plots for Extraction Wells

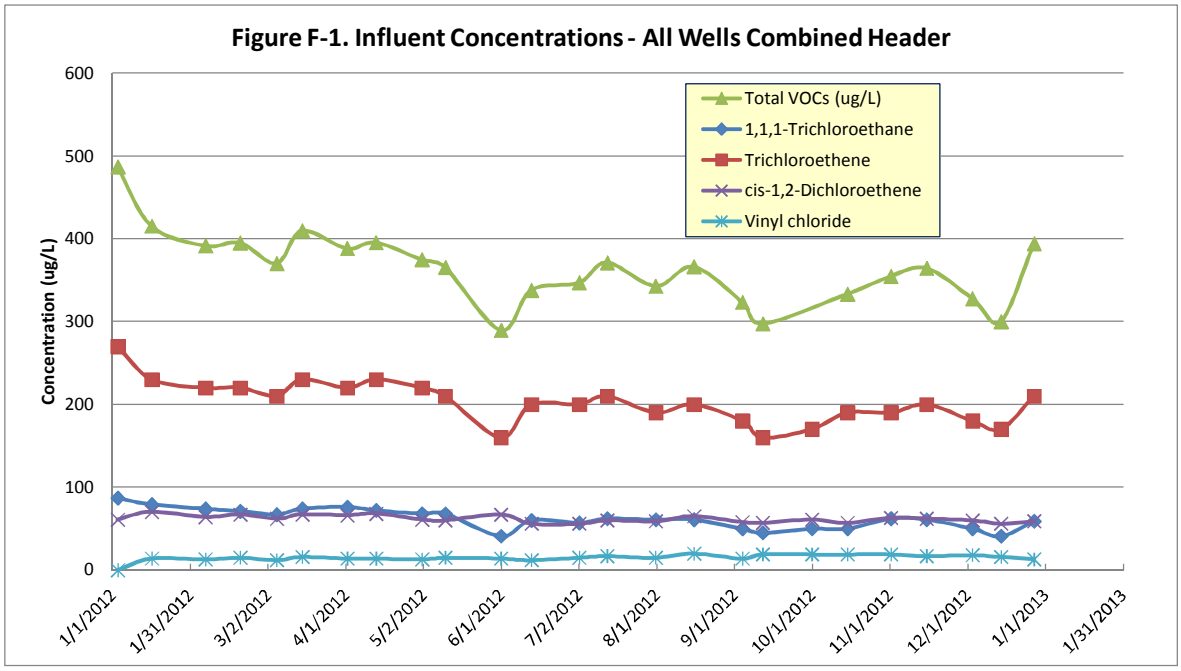


Figure F-1. Influent Concentrations - All Wells Combined Header
Concentration (ug/L)
600
500
400
300
200
100
0
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013
1/31/2013

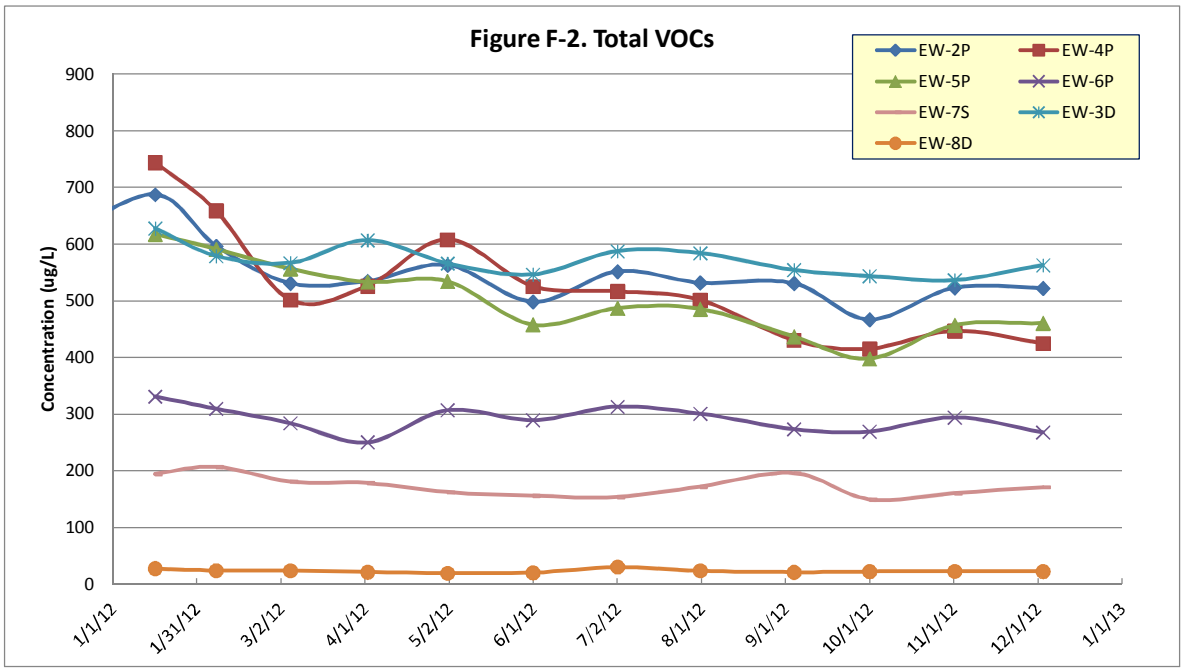


Figure F-2. Total VOCs
Concentration (ug/L)
900
800
700
600
500
400
300
200
100
0
EW-2P
EW-4P
EW-5P
EW-6P
EW-7S
EW-3D
EW-8D
1/1/12
1/31/12
3/2/12
4/1/12
5/2/12
6/1/12
7/2/12
8/1/12
9/1/12
10/1/12
11/1/12
12/1/12
1/1/13

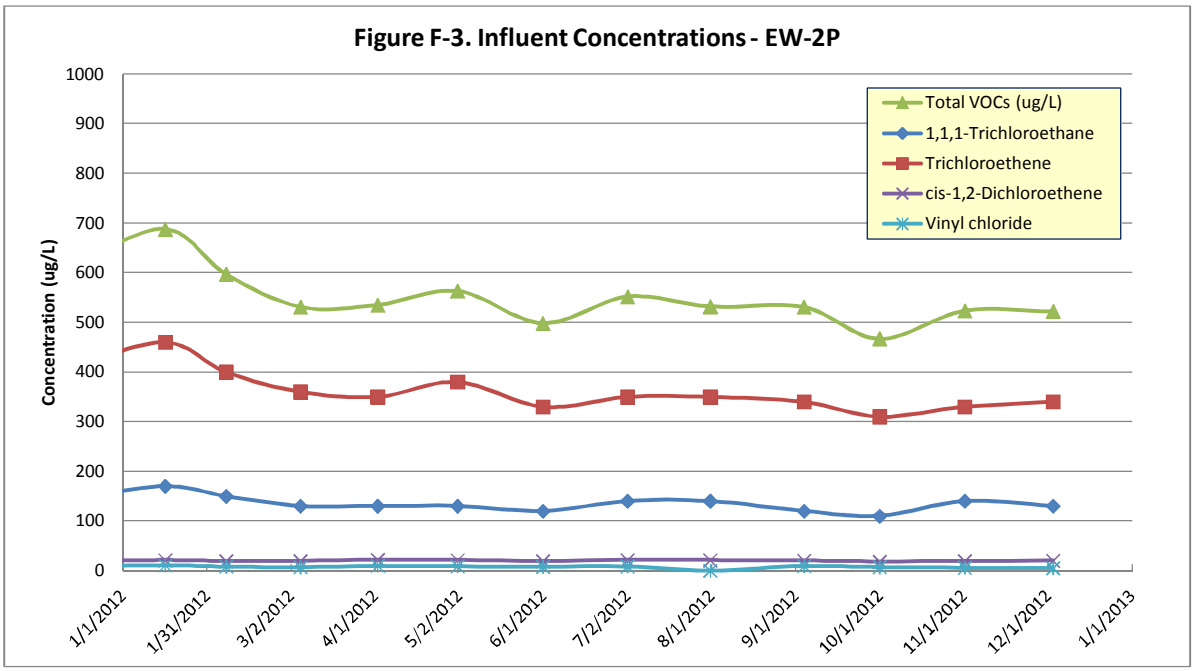


Figure F-3. Influent Concentrations - EW-2P
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride

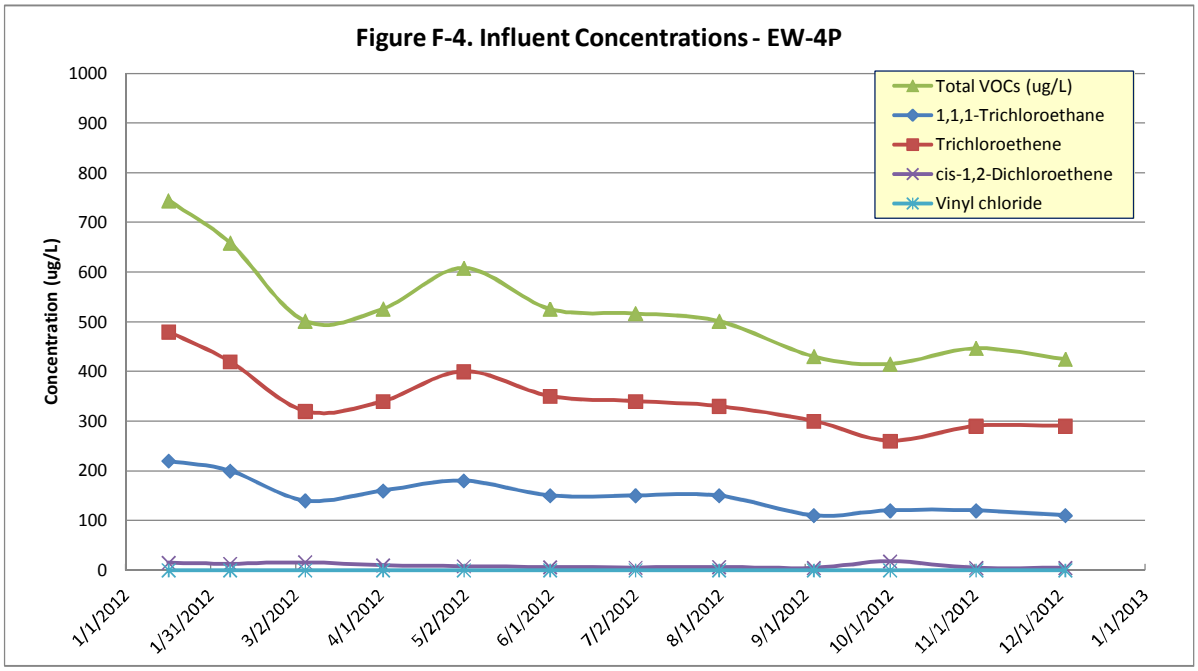


Figure F-4. Influent Concentrations - EW-4P
Concentration (ug/L)
1000
900
800
700
600
500
400
300
200
100
0
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride

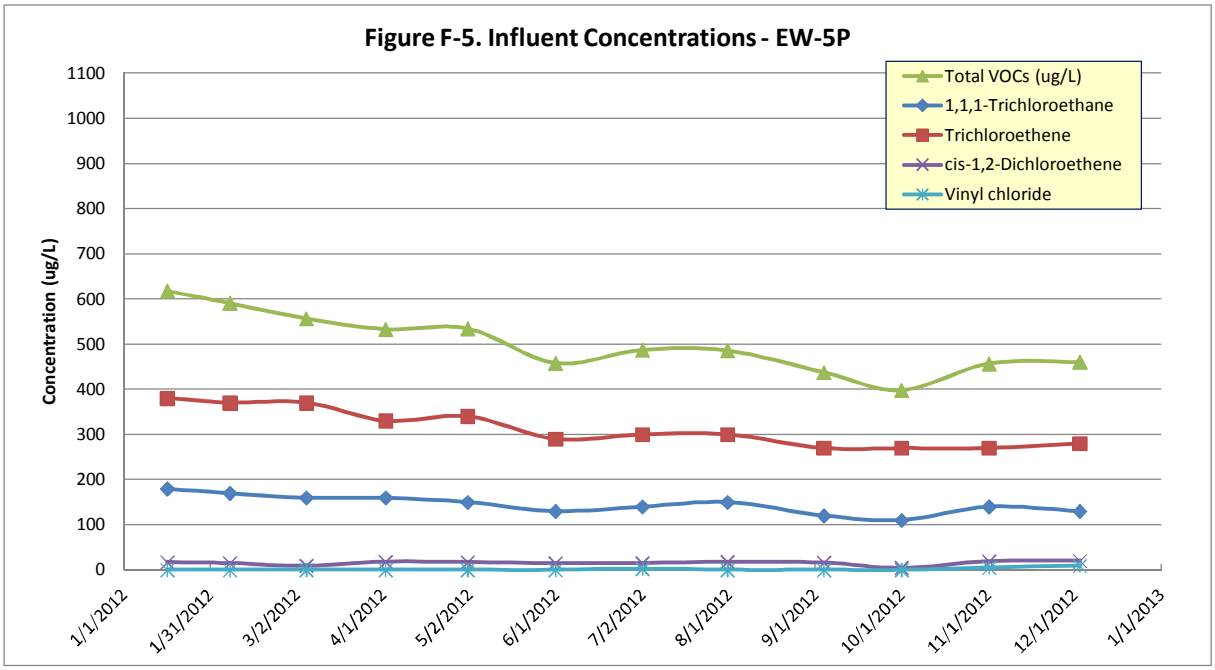


Figure F-5. Influent Concentrations - EW-5P
Concentration (ug/L)
1100
1000
900
800
700
600
500
400
300
200
100
0
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride

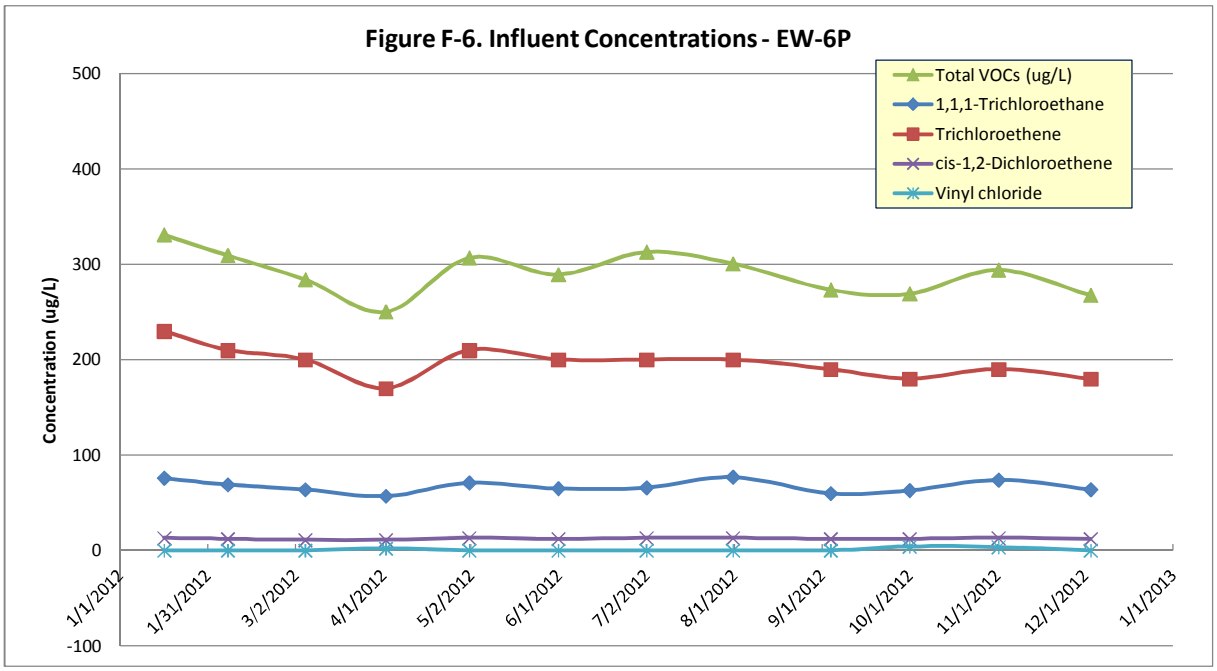
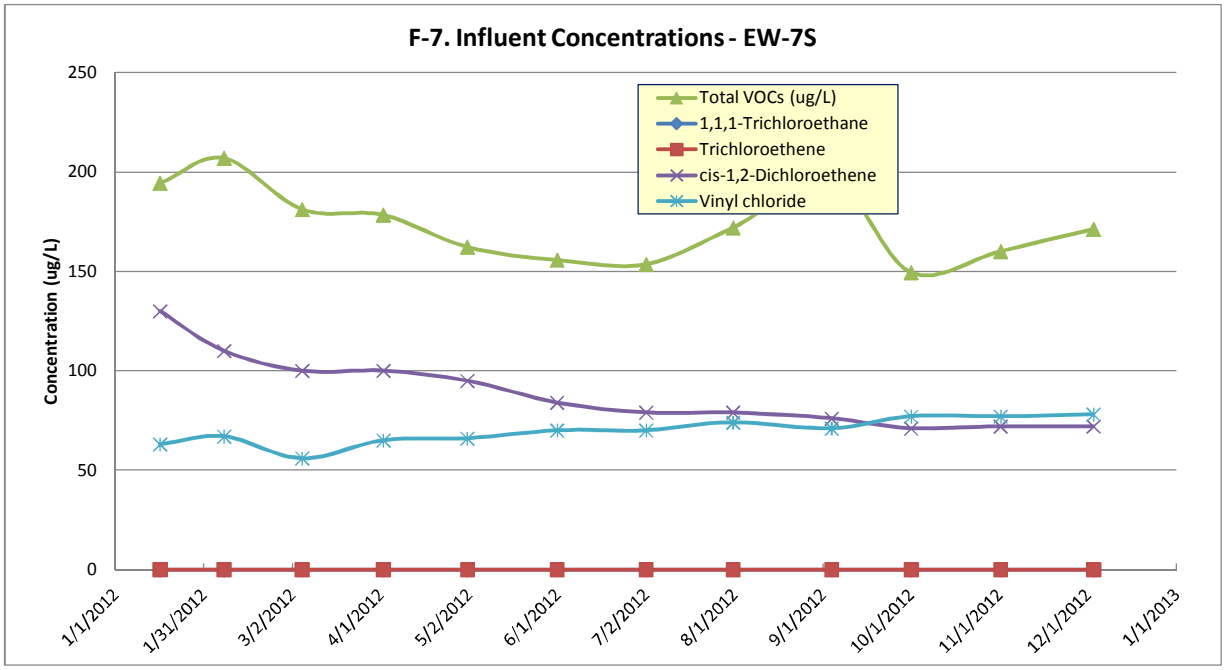
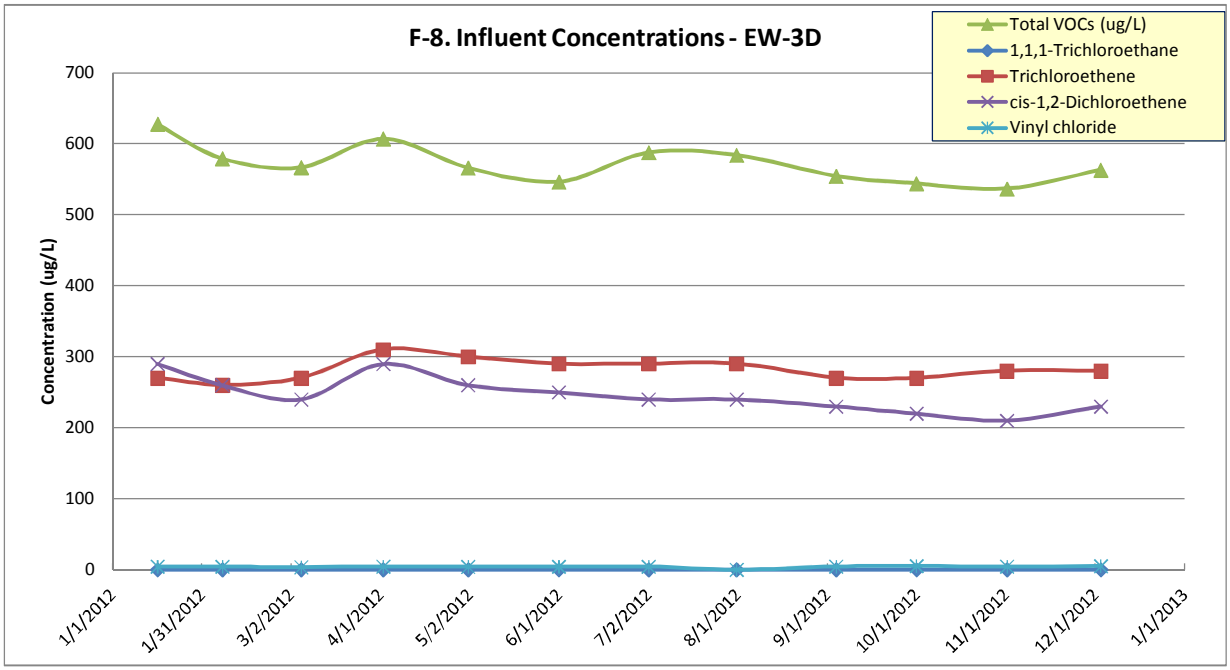
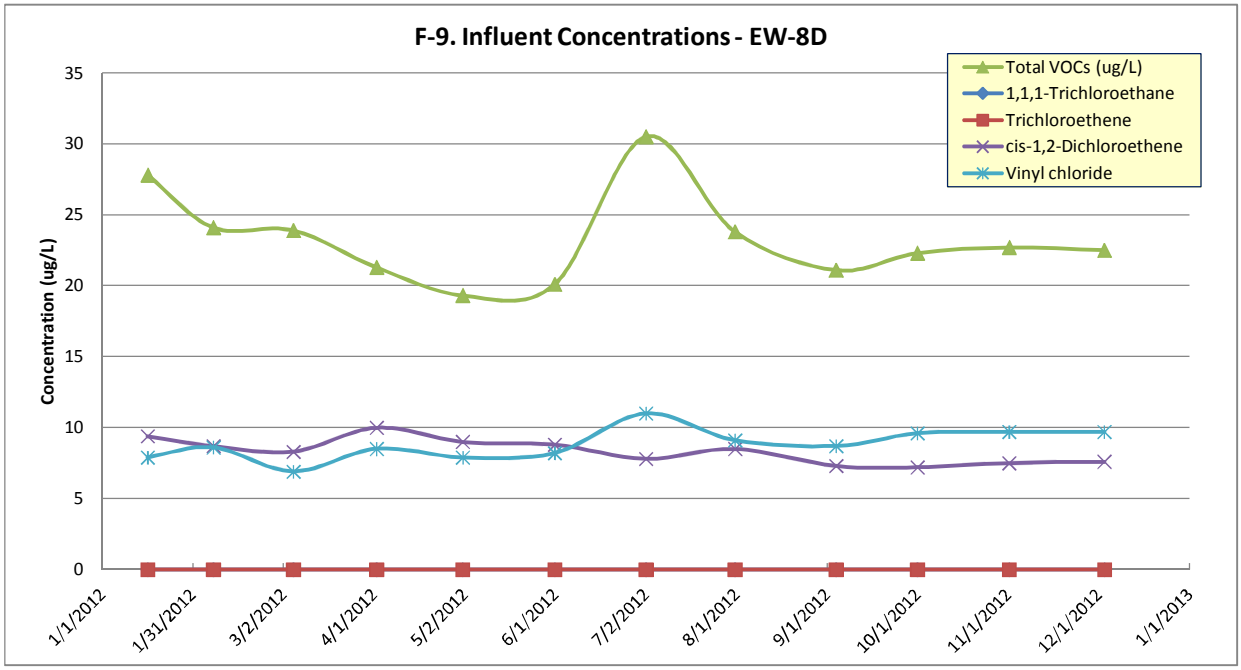


Figure F-6. Influent Concentrations - EW-6P
Concentration (ug/L)
500
400
300
200
100
0
-100
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride


F-7. Influent Concentrations - EW-7S
Concentration (ug/L)
250
200
150
100
50
0
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013


F-8. Influent Concentrations - EW-3D
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride
Concentration (ug/L)
700
600
500
400
300
200
100
0
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013


F-9. Influent Concentrations - EW-8D
Total VOCs (ug/L)
1,1,1-Trichloroethane
Trichloroethene
cis-1,2-Dichloroethene
Vinyl chloride
Concentration (ug/L)
35
30
25
20
15
10
5
0
1/1/2012
1/31/2012
3/2/2012
4/1/2012
5/2/2012
6/1/2012
7/2/2012
8/1/2012
9/1/2012
10/1/2012
11/1/2012
12/1/2012
1/1/2013

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