Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

RCRA FACILITY GROUNDWATER, LEACHATE AND GAS REPORTING FORM

This form must be used as a cover sheet for the notices and reports, identified below as required by: (1) a facility's RCRA interim status closure plan; (2) the RCRA interim status regulations; or (3) a facility's RCRA permit. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form is for use by Hazardous Waste facilities only. Reporting for Solid Waste facilities should be submitted on a separate form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form is not to be used with permit or closure plan modification requests. The facility's approved permit or closure plan will state whether the document you are submitting is required as a report or a modification request.

Facility Name: Equilon Enterprises LLC dba Shell Oil Products US

Facility Address: 900 South Central Ave., Roxana, IL 62048

Site ID #: 1191150002 Fed ID #: ILD 080 012 305

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

☐ LPC-160 Forms

Groundwater	Leachate
____ Quarterly - Enter: 1, 2, 3, or 4	____ Quarterly - Enter: 1, 2, 3, or 4
☐ Semi-Annual	☐ Semi-Annual
☐ Annual	☐ Annual
☐ Biennial	☐ Biennial

☒ Groundwater Data (without LPC-160 Forms)

1 Quarterly - Enter: 1, 2, 3, or 4 ☐ Annual ☐ Semi-Annual ☐ Biennial

☐ Well Construction Information

- ☐ Well Construction Forms, Boring Logs and/or Abandonment Forms
- ☐ Well Survey Data (e.g., Stick-up Elevation Data)

☐ Notice of Statistically Significant Evidence of Groundwater Contamination (35 Ill. Adm. Code 724.198)

☐ Notice of Exceedence of Groundwater Concentration Limit (35 Ill. Adm. Code 724.199(h))

☐ Notice of Alternate Source or Error in Sampling Analysis or Evaluation of Groundwater (35 Ill. Adm. Code 724.199(i))

☐ Gas Monitoring Reports

☐ Other (identify)

_____

_____

AECOM
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March 31, 2016

Ms. Joyce Munie, P.E.
Manager, Permit Section
Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois 62794

Groundwater Monitoring Report – 1st Quarter 2016
Roxana, Illinois
1191150002 – Madison County
Equilon Enterprises LLC d/b/a Shell Oil Products US
Log No. B-43-CA-21

Dear Ms. Munie:

On behalf of Shell Oil Products US (SOPUS), AECOM (formerly URS Corporation) is submitting the enclosed referenced report and RCRA Facility Groundwater, Leachate and Gas Reporting Form for your review. This sampling was required by Condition 7 of the Agency's letter dated August 5, 2010.

If you have any questions during your review, please contact Kevin Dyer, SOPUS Senior Principal Program Manager, at kevin.dyer@shell.com (618/288-7237), or Bob Billman at bob.billman@aecom.com (314/743-4108).

Sincerely,

AECOM, on behalf of Shell Oil Products US





Robert B. Billman
Senior Project Manager

Robert E. Mooshegian, CHMM
Senior Project Manager

Enclosures: 1st Quarter 2016 Report, Roxana Interim Groundwater Monitoring Program
RCRA Facility Groundwater, Leachate and Gas Reporting Form
(Original plus 1 copy)

cc: Kevin Dyer, SOPUS
Eric Petersen, Phillips 66
Amy Boley, IEPA, Springfield
Gina Search, IEPA, Collinsville
Thomas Tunnicliff, Atlantic Richfield Company
Shannon Haney, Greensfelder, Hemker & Gale P.C.
Repositories – Village Hall, Roxana Public Library, website

AECOM

Design and Consulting Services Environment

Submitted to:
Illinois Environmental Protection Agency - Bureau of Land
1021 North Grand Ave. East
Springfield, IL 62794

Submitted by:
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1st Quarter 2016 Report Roxana Interim Groundwater Monitoring Program

Prepared for:
Shell Oil Products US
Roxana, Illinois

April 2016
Project 60477387

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1 Introduction

AECOM Technical Services Inc. (AECOM) (formerly URS Corporation (URS)) is submitting this report on behalf of Shell Oil Products US (SOPUS) for the 1st Quarter 2016 (1Q16) groundwater monitoring well gauging and sampling conducted in the Village of Roxana, Illinois (**Figure 1**). The study area within the Village of Roxana (Village) is generally bounded by the alley north of First Street, Illinois Route 111, the West Fenceline of the WRB Refining, LP (WRB)[1] Wood River Refinery (WRR), and the Roxana Public Works Yard. Some groundwater monitoring wells within the WRR were also sampled as part of this event; this was conducted in cooperation with WRB/Phillips 66 (P66)[2]. For purposes of presentation in this report only, the combined area is collectively referred to as the "Investigation Area."

In an August 5, 2010 letter from the Illinois Environmental Protection Agency (IEPA) to SOPUS (IEPA, 2010a), IEPA requested various site characterization and monitoring activities, along with initiation of the Interim Groundwater Monitoring Program. This program began in 4th Quarter 2010 (4Q10), and the first report was submitted on January 14, 2011. On March 3, 2011, a conference call was held among representatives of SOPUS, IEPA, and URS to discuss the groundwater monitoring program and IEPA's general comments on the 4Q10 report. Subsequent modifications were incorporated during the 1st Quarter 2011 (1Q11) and 2nd Quarter 2011 (2Q11) Interim Groundwater Monitoring Program. Additional items and comments regarding the Interim Groundwater Monitoring Program were presented by IEPA in June 16, 2011 (IEPA, 2011a) and August 31, 2011 (IEPA, 2011b) letters. These items and comments were addressed in the 3rd Quarter 2011 (3Q11) and 4th Quarter 2011 (4Q11) reports.

In a March 14, 2012 letter (CA-24) from IEPA to SOPUS (IEPA, 2012a), IEPA requested groundwater piezometer ROST-3-PZ and groundwater monitoring well ROST-4-PZ(C) be added to the program. These monitoring locations were added to the program in 2nd Quarter 2012 (2Q12), and the results are incorporated into this report.

In a second letter (CA-25), dated March 14, 2012, from IEPA to SOPUS (IEPA, 2012b), IEPA requested that perched groundwater be evaluated at the following existing groundwater monitoring piezometers: P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ. These perched groundwater monitoring piezometers were incorporated into the program beginning in 2Q12 and continue to be evaluated. In a letter dated August 16, 2013 (URS, 2013b), URS, on behalf of SOPUS, informed the IEPA of the determination that the perched groundwater monitoring piezometers are either dry, based on the criteria given in their March 14, 2012 letter, or not able to be sampled per the groundwater sampling standard operating procedure (SOP) due to slow recharge. The IEPA, during phone conversations, requested that certain piezometers remain in the program. In response to this request, a letter dated January 14, 2014 was submitted to IEPA (URS, 2014b), stating that these piezometers will remain in the program. A separate letter dated January 14, 2014 was submitted to the IEPA (URS, 2014a), requesting removal of ROST-5-PZ and ROST-10-PZ based on Condition 8(a) of the March 14, 2012 IEPA letter (CA-25), which states that ROST-5-PZ and ROST-10-PZ must remain within the program for one year before the determination is made that these wells are dry.

In the same March 14, 2012 letter (CA-25), IEPA also requested the installation of groundwater monitoring wells in the Village to evaluate potential light non-aqueous phase liquid (LNAPL). These groundwater monitoring wells were

[1] WRB, formed January 1, 2007, is a 50/50 joint venture between ConocoPhillips (COP) and EnCana US Refineries, LLC (now known as Cenovus Energy, Inc.).

[2] ConocoPhillips Company announced the separation of the Refining and Marketing business from the Exploration & Production business on July 14, 2011. The separation included an ownership change as well as a name change that became effective May 1, 2012. Phillips 66 is now the operator of the WRB WRR.

installed during 4th Quarter 2012 (4Q12), with the last well being completed on December 8, 2012. These groundwater monitoring wells were incorporated into the program beginning in 1st Quarter 2013 (1Q13).

On May 31, 2012, IEPA verbally requested the following be incorporated into the 2Q12 report:

- The ROST-4 series of groundwater monitoring wells and piezometers in the groundwater elevation contour maps;
- A groundwater contour map focusing on the West Fenceline area in the Village; and
- A Roxana site and WRR LNAPL map.

In an April 8, 2013 letter from IEPA to SOPUS (IEPA, 2013a), IEPA requested a discussion of irregular potentiometric contours in the ROST-4-PZ area and P-60 area wells. This response was submitted to the IEPA in a letter dated July 29, 2013 (URS, 2013a).

In a July 18, 2013 letter from IEPA to SOPUS (IEPA, 2013b), IEPA approved a change in gauging frequencies for wells in the Interim Groundwater Monitoring Program. The list of wells to be gauged on a weekly basis was reduced and a new list of wells to be gauged on a monthly basis was initiated. This letter also requested that any free phase hydrocarbon (FPH) and photoionization detector (PID) data collected at the well heads be included in the quarterly groundwater monitoring reports. The modified gauging frequencies for wells began the week of July 22, 2013. The list of wells gauged during each routine event is reviewed on a regular basis and modified to meet the conditions requested by the IEPA. The additional reporting requirements were first incorporated in the 3rd Quarter 2013 (3Q13) report.

In a June 13, 2014 letter from IEPA to SOPUS (IEPA, 2014a), IEPA requested the installation of four groundwater monitoring wells in the Village to monitor the extent and effectiveness of corrective action efforts within the residential area. The access agreement with the Village was signed on August 12, 2014, and well installation began in September 2014 and was completed in October 2014.

In an October 9, 2014 letter from IEPA to SOPUS (IEPA, 2014b), IEPA approved the installation plan for a groundwater monitoring well located on BP property with certain conditions and modifications. This well was installed during January 2015 and was added to the Interim Groundwater Monitoring Program in 1st Quarter 2015 (1Q15).

In a letter dated November 25, 2014 (IEPA, 2014c), IEPA approved the proposed plan for groundwater corrective action (submitted to IEPA on November 14, 2013 (URS, 2013c)), with the following conditions:

- The 1Q15 groundwater samples obtained from: (1) the current monitoring well network; (2) the four new wells required by the modified Resource Conservation and Recovery Act (RCRA) Post-Closure Permit (Permit) at the WRR, issued September 23, 2010 (modified June 13, 2014) (IEPA, 2010b); and (3) the new well required by the October 9, 2014, letter must be used in a demonstration to verify the extent of groundwater contamination has been delineated; or
- If SOPUS cannot define the extent of contamination, a proposal for additional investigation must be submitted.

On April 16, 2015, a letter was submitted to IEPA by AECOM, on behalf of SOPUS, delineating the extent of groundwater contamination (AECOM, 2015a). In a letter dated February 23, 2016 (IEPA, 2016), IEPA responded to this letter with the following conditions:

- The facility must propose the establishment of a Groundwater Management Zone (GMZ), which "must include (1) modifications to the groundwater corrective action determined necessary by Route 111/Rand Avenue West Fenceline and well P-60 Investigation, as approved in the IEPA letter dated May 12, 2009 (IEPA, 2009), and any subsequent letters; (2) a proposed well network adequate to monitor the GMZ; and (3) a set of statistical procedures that are adequate to evaluate the effectiveness of the corrective action."
- The submittal must be submitted within ninety (90) days of the date of the February 23, 2016 letter for IEPA review and approval and must also utilize the guidance document, "Guidance for Establishing a GMZ" (IEPA, 2001).

On December 5, 2014, a letter was submitted to IEPA by URS (URS, 2014c), on behalf of SOPUS, requesting a reduction in the routine gauging performed as part of the Interim Groundwater Monitoring Program. A response to this request is pending as of the date of this report.

In a letter dated May 22, 2015, IEPA provided approval for the April 3, 2013, Groundwater Monitoring Well and Vapor Monitoring Point Installation Report (IEPA, 2015).

Groundwater samples were collected and analyzed during 1Q16 to meet the requirements of the Interim Groundwater Monitoring Program, as specified in the above guidance. **Figure 2** shows the groundwater monitoring wells that were sampled during 1Q16 as part of the interim monitoring well network.

2 Groundwater Sampling and Analytical Procedures

The groundwater monitoring well gauging, sample collection, and analytical procedures are discussed in this section. Gauging and sampling procedures are based on the Interim Groundwater Monitoring Program, as outlined in the IEPA's letter dated August 5, 2010 (IEPA, 2010a), and as modified based on other correspondence outlined in **Section 1**.

2.1 Additional Activities or Modifications

The following additional work activities or modifications were conducted during 1Q16:

- TestAmerica Laboratories, Inc. (TestAmerica) noted in the 4th Quarter 2015 (4Q15) laboratory report case narratives that three of the volatile organic compound (VOC) analytes (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) are acid-labile compounds and could potentially degrade in an acidic medium. During 1Q16, AECOM performed a comparison of six groundwater monitoring wells (MW-2, MW-5, MW-9, MW-24, P-66, and T-12) by collecting VOC samples in HCl preserved and unpreserved sample containers. Laboratory results are provided in **Appendix A**. The sample identification (ID) format for the unpreserved samples is "well ID-ROX-date-UN".
- The bottom depth of each of the monitoring wells listed in the Interim Groundwater Monitoring Program was measured during the 1Q16 gauging event. The gauged bottom depths were compared with well construction information to determine screen occlusion and redevelopment needs[3]. Redevelopment activities were performed at monitoring well P-93B in the WRR along the West Fenceline and monitoring wells MW-6A and MW-27 in the Village in March 2016. Groundwater redevelopment sheets for these wells can be found in **Appendix B**.

2.2 Groundwater Monitoring Well Gauging and Sampling

Groundwater Monitoring Well Gauging

The comprehensive quarterly groundwater monitoring well gauging event was conducted between January 4 and 6, 2016. The 1Q16 gauging activities were conducted in conjunction with the 1Q16 gauging event for the WRR to evaluate groundwater flow direction and identify possible LNAPL in the Investigation Area. Depth to LNAPL (if present) and depth to water were noted in electronic format using Panasonic Toughbook® technology (Toughbook®), or similar, and on groundwater field gauging sheets. Quarterly groundwater monitoring well gauging results can be found in **Table 1a**. Weekly and monthly gauging data are collected from a subset of the quarterly program wells to assess the absence or presence of LNAPL. Monthly and weekly gauging results for 1Q16 can be found in **Table 1b**. The groundwater gauging data tables also include well-head PID results.

Low-Flow Groundwater Purging and Sampling

Groundwater samples were collected from groundwater monitoring wells from January 7 through January 15, 2016. Data are included in this report and discussed in **Section 3**.

Groundwater samples were collected via low-flow groundwater purging and sampling procedures. Prior to groundwater monitoring well sampling, the initial water level was measured and recorded in the Toughbook® and on groundwater field data sheets.

[3] For wells that are sampled, well redevelopment is conducted if the well screen is ≥10% occluded. For wells that are only gauged as part of the Roxana Interim Groundwater Sampling Program, well development is conducted if the well screen is ≥75% occluded.

Groundwater monitoring wells MW-1 through MW-14, MW-16, MW-22 through MW-28, P-54, P-56 through P-59, P-66, P-74, P-93A, P-93C, P-114R, ROST-3-MW, ROST-4-PZ(C), and T-12 were purged and sampled using a stainless steel submersible pump, low-flow controller, and designated polyethylene tubing[4]. The submersible pump, with the proper length of designated polyethylene tubing, was slowly lowered into the groundwater monitoring well to be sampled and the pump intake was set near the midpoint of the groundwater monitoring well screen.

Groundwater monitoring wells P-93B and P-93D were purged and sampled using dedicated submersible stainless steel QED Well Wizard® sampling pumps and dedicated bonded polyethylene tubing. The dedicated pump intake is positioned near the midpoint of the well screen and the pump is operated using a QED MP50 Micropurge Controller/Compressor.

For both sampling methods, the tubing from the sampling pump was connected to a flow-through cell, which discharged into a 5-gallon plastic container. Pumping was performed at a low flow rate (≤ 400 mL/minute) to minimize drawdown of the water level within the groundwater monitoring well. During groundwater purging, water quality parameters (pH, temperature, specific conductivity, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP)) were measured and recorded on the groundwater field data sheets after every flow-through cell volume. Purging continued until a minimum of three flow-through cell volumes of water were removed and the groundwater quality parameters stabilized, or a maximum purge time of two hours was reached. The final water quality parameters were recorded in the Toughbook® and on groundwater field data sheets. Once stabilization was achieved or a maximum purge time of 2 hours was reached, the groundwater flow was diverted from the flow-through cell and groundwater samples were collected for VOC and semi-volatile organic compound (SVOC) analysis.

Perched groundwater monitoring piezometers ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ in the Village, and P-60-12S and P-60-13S in the WRR, could not be sampled according to the Standard Operating Procedure (SOP), due to slow recharge rates or lack of water. Groundwater monitoring wells P-55R and P-68, located inside the WRR, contained LNAPL and, therefore, were not sampled. Groundwater sampling field parameters can be found in **Tables 2a and 2b**, and groundwater sampling data sheets are included in **Appendix C**.

2.3 Health & Safety, Decontamination, and Investigative Derived Waste

Health & Safety

The quarterly sampling activities were performed in accordance with the project-specific Health and Safety Plan (HASP), dated January 1, 2015 – March 31, 2016 (URS, 2014d).

Prior to beginning site work and at the start of work each day, a daily safety meeting was held. The purpose of this meeting was to discuss the day's planned activities and to address any potential health and safety concerns. As a part of the daily safety meeting, job safety analyses (JSAs) were reviewed to address task specific safety concerns.

AECOM field personnel wore U.S. Environmental Protection Agency (USEPA) modified Level D personal protective equipment (PPE), which included hard hat, steel-toed boots, safety glasses, etc. In addition, work within the WRR was performed wearing flame retardant clothing (FRCs) per WRR requirements (in areas where required).

A PID with a 10.6 electron volt (eV) lamp, combustible gas indicator (CGI), and individual hydrogen sulfide gas detectors (for locations inside WRR) were used during the field activities to monitor air quality. A benzene gas monitor with a 9.8 eV lamp was available during field activities to monitor benzene levels, if necessary. Field instruments were calibrated prior to use each day in accordance with the manufacturer's specifications.

Decontamination

Field personnel and equipment underwent decontamination procedures to ensure the health and safety of those present, to maintain sample integrity, and to minimize cross contamination. Reusable sampling equipment (e.g., groundwater pump) was decontaminated after each sample location by spraying and/or wiping down with isopropyl

[4] All designated tubing is stored in a sealed bag designated for a particular groundwater monitoring well between sampling events.

alcohol, then washing with LiquiNox® and distilled water, and finishing with a distilled water rinse. The wash and rinse water are replaced periodically throughout the day, at least at mid-day. Interface probes were decontaminated by wiping down with isopropyl alcohol and LiquiNox® followed by a distilled water rinse. Personnel and small equipment decontamination were performed at the sample locations.

Investigative Derived Waste

Investigative derived waste (IDW), such as purge water and decontamination fluid generated during groundwater sampling activities, was collected, stored, and disposed in accordance with the RCRA and United States Department of Transportation (DOT) regulations. Expendable materials (e.g., disposable sampling equipment such as gloves and tubing) were decontaminated, if necessary, collected in trash bags, and disposed as municipal waste.

Decontamination fluid and purge water from groundwater monitoring wells MW-4, MW-7, MW-8, and MW-25 were initially collected in 5-gallon buckets, then transferred to a 55-gallon steel drum, which was staged at the Public Works Yard (satellite accumulation area), and removed by Heritage Environmental Services, LLC (Heritage) within 48 hours. This material is managed as hazardous waste based on prior characterization and was disposed at the Heritage facility in Indianapolis, Indiana.

Decontamination fluid and purge water from other groundwater monitoring wells in the Village were initially collected in 5-gallon buckets then transferred to 55-gallon steel drums located near the northeastern portion of the former Tannery Property. This material is managed as non-hazardous waste based on prior characterization and was disposed at the Heritage facility in Indianapolis, Indiana.

Decontamination fluid and purge water related to, or generated from, work within the WRR was collected and discharged through the WRR's National Pollutant Discharge Elimination System (NPDES)-permitted Wastewater Treatment Plant (WWTP).

2.4 Groundwater Sample Handling and Laboratory Testing

With the exception of the unpreserved sample comparison described in **Section 2.1** above, samples were collected in pre-preserved laboratory-supplied containers and labeled in the field. Sample information was recorded on a chain of custody (COC) form at the time of collection. The sample ID format is "well ID-ROX-date". COCs are included with laboratory analytical reports in **Appendix A**.

Upon collection and labeling, sample containers were immediately placed inside an iced cooler and packed in such a way as to help prevent breakage and maintain sample temperature within 0-6°C without freezing. The samples were then delivered via overnight courier, under the proper COC documentation, to TestAmerica in Pensacola, Florida[5] for analysis.

Samples were analyzed by TestAmerica for VOCs via USEPA Methods 8260B and 8011, for SVOCs via USEPA Method 8270C, and for Polycyclic Aromatic Hydrocarbons (PAHs) via USEPA Method 8270C Low Level (LL). USEPA Method 8011 was used for select VOCs (1,2-dibromoethane and 1,2-dibromo-3-chloropropane) in order to achieve lower reporting limits specified in the WRR RCRA Part B Permit (IEPA, 2010b). Per direction from IEPA, the Interim Groundwater Monitoring Program concentration limits need to be consistent with those in the Permit.

2.5 Data Quality Review and Data Management

Laboratory data were provided in electronic form and included data qualifiers on the basis of the laboratory's quality control or to indicate sample analysis information. The data were independently reviewed and qualified by AECOM. One hundred percent of the data were subjected to a data quality review (Level III data review). Evaluation of the

[5] AECOM was awarded a contract with Shell Oil Products US, effective October 1, 2015, to provide environmental consulting services. During the procurement process, AECOM obtained proposals for analytical services from several laboratories. TestAmerica Laboratories, Inc. was selected as AECOM's primary laboratory.

data followed procedures outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2014). Data qualifiers were also added by AECOM, as appropriate, and are included on **Table 3** and in the laboratory results in **Appendix A**. The results of the data quality review are discussed in **Section 3.2**.

Field data and documentation collected as part of this scope of work became part of the project file. AECOM maintains the files for the site and the database management system.

The following documentation was completed and supplements the COC records:

- Field logbooks;
- Equipment calibration forms;
- Groundwater field gauging sheets;
- Groundwater field data sheets;
- Field sample collection data via electronic Toughbook®; and
- Safety documentation.

3 Groundwater Sampling Results

This section presents the results of the 1Q16 groundwater gauging and sampling event.

3.1 Groundwater Monitoring Well Gauging Results

The comprehensive quarterly groundwater monitoring well gauging for the 1Q16 event was conducted between January 4 and 6, 2016. This groundwater monitoring well gauging was conducted in accordance with the Interim Groundwater Monitoring Program, and the results can be found in **Table 1a**. Groundwater levels in the vicinity of the West Fenceline have fallen approximately a half foot or less since 4Q15. Groundwater levels in most wells in the WRR have risen approximately 1 foot or less since 4Q15. Water levels are above the top of the screens in the majority of the wells gauged during the 1Q16 event. Water levels are within the screened intervals for approximately half of the wells along the West Fenceline. The potentiometric surface observed during the 1Q16 groundwater monitoring well gauging (**Figures 3a and 3b**) illustrates groundwater flow toward the WRR groundwater production wells.

Perched groundwater was evaluated in the Village and in the WRR along the West Fenceline during 1Q16. During the 1Q16 event, groundwater was encountered in P-60-12S, P-60-13S, ROST-7-PZ, and ROST-21-PZ; and groundwater was not encountered in ROST-5-PZ or ROST-10-PZ. ROST-5-PZ has been dry for ten consecutive quarters, and ROST-10-PZ has been dry for at least twelve consecutive quarters. The 1Q16 gauging results for perched groundwater monitoring wells and piezometers can be found in **Table 1a**.

During the 1Q16 quarterly groundwater monitoring well gauging event, LNAPL was detected in three Interim Groundwater Monitoring Program groundwater monitoring wells. All of these monitoring wells (P-55R, P-60, and P-68) are located in the WRR **(Table 1a)**. In these wells, LNAPL thicknesses ranged from 0.05 to 0.10 feet. LNAPL was observed within the screened intervals of P-55R and P-60. LNAPL was observed above the screened interval of P-68. During 1Q16 weekly and monthly gauging events, LNAPL was detected in three groundwater monitoring wells. All of these wells are located in the WRR (P-55R, P-60, and P-68). This routine gauging data can be found in **Table 1b** and is summarized below.

Monitoring Well	Range of LNAPL Thickness (feet)	Comments
P-55R	0.02-0.32	Observed each week
P-60	0.05-0.08	Observed in 12 of 13 weeks
P-68	0.03-0.08	Observed in 12 of 13 weeks

LNAPL observed in groundwater monitoring wells located on the WRR property was removed and placed in a double-walled lube cube, which is staged on WRR North Property, prior to being taken to the WRR oil-water separators for reprocessing. Removal of LNAPL, if observed exceeding the minimum thickness for recovery (0.10 feet) in the Village and WRR, is conducted during quarterly, monthly, and weekly gauging events. **Figures 4a and 4b** illustrate the measured LNAPL thickness observed along the West Fenceline and inside the refinery, respectively, during the 1Q16 gauging event.

3.2 Data Quality Review Results

A total of ten sample delivery groups (SDGs) were prepared and sent to TestAmerica for the 1Q16 event. Fifty different groundwater sample sets were prepared and analyzed for VOCs and SVOCs (including PAHs). This included forty different investigative sample sets, four field duplicate sets, and three matrix spike/matrix spike duplicate (MS/MSD) sets. SDGs for 1Q16 are presented in **Appendix A**.

Trip blanks (TBs), equipment blanks (EBs), and laboratory method blanks were analyzed to evaluate for the existence and magnitude of any contamination resulting from field and laboratory activities. Four different EB sets were collected for this quarter. A TB set was included in every cooler that contained samples for VOC analysis. A total of thirteen TB sets were analyzed for groundwater VOCs. Laboratory method blanks were analyzed with every analytical batch.

Based on laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD), surrogate, holding time, and field duplicate criteria, the groundwater analytical results reported were accepted for their intended use. Analytical results qualified by AECOM are specified in the data reviews presented in **Appendix A**.

3.3 Analytical Results and Discussion

Tables 2a and 2b present cumulative information on groundwater sampling field parameters for main aquifer and perched wells, respectively. These results are consistent with those observed in the 4Q15 sampling event. The laboratory analytical results for the groundwater samples collected during this event are presented in **Table 3**.

Analytical detections were compared to the concentration limits as provided in Condition IV(E) of the Permit for the WRB Refining LP Wood River Refinery[6]. These concentration limits include the Groundwater Quality Standards for Class I: Potable Resource Groundwater (35 IAC 620, Subpart D, Section 410) (Part 620), the IEPA Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route (35 IAC 742 Appendix B, Table E), and the IEPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables). Where screening values were available from multiple sources from the ones mentioned above, screening values from Part 620 were used preferentially over the screening values found in TACO and Chemicals not in TACO sources. All three sources are checked on a quarterly basis to ensure the most current published screening values are being used. The results of this screening comparison are presented in **Table 3**.

Samples from seventeen groundwater monitoring wells in the Interim Groundwater Monitoring Program (eight in the Village, nine in the WRR along the West Fenceline) exhibited exceedances of the groundwater screening criteria for one or more of the following constituents:

- Benzene
- Naphthalene
- 1,3,5-Trimethylbenzene
- bis(2-Ethylhexyl)phthalate
- Phenol
- Ethylbenzene
- Toluene
- Benzo(b)fluoranthene
- 2-Methylnaphthalene

Figure 5 presents concentrations of analytes that exceeded the indicated screening criteria for 1Q16. **Figure 6** presents a plan view depiction of benzene analytical results in groundwater across the site. **Figure 7** presents a cross-section along Chaffer Street with a vertical distribution of the benzene concentrations in groundwater superimposed. **Figure 8** presents a cross-section across the Roxana Public Works Yard with a vertical distribution of the benzene analytical results in groundwater superimposed.

AECOM conducted the 1Q16 Interim Groundwater Monitoring Program, and the following conclusions are based on the data and information collected as part of this program:

– During 1Q16, groundwater level data indicates groundwater flow from the Investigation Area is moving toward groundwater production wells at the WRR. Groundwater levels observed in the vicinity of the West Fenceline had fallen a half foot or less since the previous quarter. Groundwater levels observed in most monitoring wells in the WRR had risen one foot or less since the previous quarter.

[6] IEPA requested that the Interim Groundwater Monitoring Program be consistent with the RCRA Part B Permit.

- Perched groundwater was evaluated at groundwater monitoring wells P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ. During the evaluation, groundwater sampling could not be performed per the SOP due to slow recharge or lack of water.
- The analytical results from 1Q16 are generally similar to those from previous quarters.

3.4 Limitations

SOPUS shall have the right to make and retain copies of and use all Work Product provided. However, such use shall be limited to the particular Site and project for which the Work Product is provided. SOPUS and its agents may release the Work Product to third parties at its sole risk and discretion. This report is based on data, site conditions, and other information that is generally applicable as of the date of this report, and the conclusions and recommendations herein are therefore applicable only to that time frame and to the report in its entirety.

Historic data has been furnished to AECOM by SOPUS or SOPUS' contractors, which AECOM has used in preparing this report. AECOM has relied on this information as furnished, and is neither responsible for, nor has confirmed the accuracy of this information.

4 References

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Tables

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
MW-01											
2Q13	442.65	4/1/2013	NE	42.63	NA	NA	NA	400.02	393.85 - 383.85 (48.80 - 58.80)	54.0	*
3Q13		7/1/2013	NE	39.80	NA	NA	NA	402.85		8.7	*
4Q13		10/1/2013	NE	40.23	NA	NA	NA	402.42		0.0	*
1Q14		2/10/2014	NE	42.77	NA	NA	NA	399.88		5.8	*
2Q14		4/1/2014	NE	43.17	NA	NA	NA	399.48		18.9	*
3Q14		7/1/2014	NE	42.22	NA	NA	NA	400.43		1.3	*
4Q14		10/1/2014	NE	41.11	NA	NA	NA	401.54		0.0	*
1Q15		1/6/2015	NE	42.64	NA	NA	NA	400.01		43.9	*
2Q15		4/2/2015	NE	44.11	NA	NA	NA	398.54		0.0	*
3Q15		7/6/2015	NE	43.39	NA	NA	NA	399.26		0.0	*
4Q15		10/1/2015	NE	40.92	NA	NA	NA	401.73		0.1	*
1Q16		1/4/2016	NE	41.31	NA	NA	NA	401.34		0.0	*
MW-02											
2Q13	443.77	4/1/2013	NE	43.81	NA	NA	NA	399.96	393.90 - 383.90 (49.87 - 59.87)	232.0	*
3Q13		7/1/2013	NE	41.15	NA	NA	NA	402.62		208.0	*
4Q13		10/1/2013	NE	41.56	NA	NA	NA	402.21		109.7	*
1Q14		2/10/2014	NE	44.00	NA	NA	NA	399.77		98.7	*
2Q14		4/1/2014	NE	44.45	NA	NA	NA	399.32		50.0	*
3Q14		7/1/2014	NE	43.45	NA	NA	NA	400.32		119.0	*
4Q14		10/1/2014	NE	42.37	NA	NA	NA	401.40		130.1	*
1Q15		1/6/2015	NE	44.05	NA	NA	NA	399.72		91.1	*
2Q15		4/2/2015	NE	45.45	NA	NA	NA	398.32		147.3	*
3Q15		7/6/2015	NE	44.85	NA	NA	NA	398.92		124.0	*
4Q15		10/1/2015	NE	42.31	NA	NA	NA	401.46		12.3	*
1Q16		1/4/2016	NE	42.62	NA	NA	NA	401.15		160.7	*
MW-03											
2Q13	430.08	4/1/2013	NE	29.88	NA	NA	NA	400.20	395.41 - 385.41 (34.67 - 44.67)	3.5	*
3Q13		7/1/2013	NE	26.65	NA	NA	NA	403.43		0.4	*
4Q13		10/2/2013	NE	27.21	NA	NA	NA	402.87		0.0	*
1Q14		2/10/2014	NE	29.91	NA	NA	NA	400.17		2.5	*
2Q14		4/1/2014	NE	30.30	NA	NA	NA	399.78		0.3	*
3Q14		7/1/2014	NE	29.26	NA	NA	NA	400.82		1.2	*
4Q14		10/1/2014	NE	28.14	NA	NA	NA	401.94		0.0	*
1Q15		1/6/2015	NE	29.57	NA	NA	NA	400.51		3.6	*
2Q15		4/2/2015	NE	31.16	NA	NA	NA	398.92		0.2	*
3Q15		7/6/2015	NE	30.15	NA	NA	NA	399.93		0.0	*
4Q15		10/1/2015	NE	27.88	NA	NA	NA	402.20		0.2	*
1Q16		1/5/2016	NE	28.13	NA	NA	NA	401.95		0.2	*
MW-04											
2Q13	441.14	4/1/2013	NE	41.00	NA	NA	NA	400.14	395.08 - 385.08 (46.06 - 56.06)	104.0	*
3Q13		7/1/2013	NE	38.07	NA	NA	NA	403.07		131.6	*
4Q13		10/2/2013	NE	38.49	NA	NA	NA	402.65		39.4	*
1Q14		2/10/2014	NE	41.09	NA	NA	NA	400.05		52.3	*
2Q14		4/1/2014	NE	41.52	NA	NA	NA	399.62		75.0	*
3Q14		7/1/2014	NE	40.50	NA	NA	NA	400.64		97.2	*
4Q14		10/1/2014	NE	39.44	NA	NA	NA	401.70		27.4	*
1Q15		1/6/2015	NE	41.01	NA	NA	NA	400.13		69.0	*
2Q15		4/2/2015	NE	42.58	NA	NA	NA	398.56	396.08 - 386.08 (45.06 - 55.06)	12.5	*
3Q15		7/6/2015	NE	41.25	NA	NA	NA	399.89		56.1	*
4Q15		10/1/2015	NE	39.28	NA	NA	NA	401.86		11.5	*
1Q16		1/5/2016	NE	39.53	NA	NA	NA	401.61		67.3	*
MW-05											
2Q13	429.80	4/1/2013	NE	29.53	NA	NA	NA	400.27	395.83 - 385.83 (33.97 - 43.97)	0.1	*
3Q13		7/1/2013	NE	26.37	NA	NA	NA	403.43		1.0	*
4Q13		10/2/2013	NE	26.85	NA	NA	NA	402.95		0.0	*
1Q14		2/10/2014	NE	29.59	NA	NA	NA	400.21		1.4	*
2Q14		4/1/2014	NE	29.96	NA	NA	NA	399.84		0.0	*
3Q14		7/2/2014	NE	28.93	NA	NA	NA	400.87		0.3	*
4Q14		10/2/2014	NE	27.74	NA	NA	NA	402.06		0.0	*
1Q15		1/6/2015	NE	29.34	NA	NA	NA	400.46		0.5	*
2Q15		4/2/2015	NE	30.91	NA	NA	NA	398.89		0.0	*
3Q15		7/6/2015	NE	28.88	NA	NA	NA	400.92		0.3	*
4Q15		10/1/2015	NE	27.61	NA	NA	NA	402.19		0.4	*
1Q16		1/4/2016	NE	27.89	NA	NA	NA	401.91		0.5	*
MW-06A											
2Q13	432.14	4/1/2013	NE	31.57	NA	NA	NA	400.57	397.31 - 387.31 (34.83 - 44.83)	0.1	*
3Q13		7/1/2013	NE	28.48	NA	NA	NA	403.66		0.6	*
4Q13		10/2/2013	NE	28.75	NA	NA	NA	403.39		0.0	*
1Q14		2/10/2014	NE	31.62	NA	NA	NA	400.52		2.3	*
2Q14		4/1/2014	NE	32.03	NA	NA	NA	400.11		10.4	*
3Q14		7/1/2014	NE	30.90	NA	NA	NA	401.24		1.4	*
4Q14		10/2/2014	NE	29.74	NA	NA	NA	402.40		0.0	*
1Q15		1/6/2015	NE	31.48	NA	NA	NA	400.66		0.3	*
2Q15		4/2/2015	NE	33.05	NA	NA	NA	399.09		0.0	*
3Q15		7/6/2015	NE	31.98	NA	NA	NA	400.16		0.1	*
4Q15		10/1/2015	NE	29.72	NA	NA	NA	402.42		0.1	*
1Q16		1/4/2016	NE	29.94	NA	NA	NA	402.20		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
MW-06B											
2Q13	432.29	4/1/2013	NE	31.63	NA	NA	NA	400.66	368.24 - 363.24 (64.05 - 69.05)	2.7	*
3Q13		7/1/2013	NE	28.53	NA	NA	NA	403.76		0.0	*
4Q13		10/2/2013	NE	28.80	NA	NA	NA	403.49		0.5	*
1Q14		2/10/2014	NE	31.67	NA	NA	NA	400.62		6.0	*
2Q14		4/1/2014	NE	32.10	NA	NA	NA	400.19		4.8	*
3Q14		7/1/2014	NE	30.93	NA	NA	NA	401.36		2.1	*
4Q14		10/2/2014	NE	29.78	NA	NA	NA	402.51		0.0	*
1Q15		1/6/2015	NE	31.52	NA	NA	NA	400.77		5.6	*
2Q15		4/2/2015	NE	33.10	NA	NA	NA	399.19		29.1	*
3Q15		7/6/2015	NE	32.01	NA	NA	NA	400.28		0.2	*
4Q15		10/1/2015	NE	29.76	NA	NA	NA	402.53		0.4	*
1Q16		1/4/2016	NE	29.96	NA	NA	NA	402.33		0.0	*
MW-06C											
2Q13	432.11	4/1/2013	NE	31.40	NA	NA	NA	400.71	347.16 - 342.16 (84.95 - 89.95)	1.1	*
3Q13		7/1/2013	NE	28.32	NA	NA	NA	403.79		0.2	*
4Q13		10/2/2013	NE	28.58	NA	NA	NA	403.53		0.0	*
1Q14		2/10/2014	NE	31.48	NA	NA	NA	400.63		3.8	*
2Q14		4/1/2014	NE	31.89	NA	NA	NA	400.22		2.5	*
3Q14		7/1/2014	NE	30.74	NA	NA	NA	401.37		2.1	*
4Q14		10/2/2014	NE	29.58	NA	NA	NA	402.53		0.0	*
1Q15		1/6/2015	NE	31.31	NA	NA	NA	400.80		42.0	*
2Q15		4/2/2015	NE	32.89	NA	NA	NA	399.22		0.0	*
3Q15		7/6/2015	NE	31.79	NA	NA	NA	400.32		0.0	*
4Q15		10/1/2015	NE	29.55	NA	NA	NA	402.56		2.3	*
1Q16		1/4/2016	NE	29.75	NA	NA	NA	402.36		0.3	*
MW-06D											
2Q13	431.99	4/1/2013	NE	31.26	NA	NA	NA	400.73	327.27 - 322.27 (104.72 - 109.72)	4.2	*
3Q13		7/1/2013	NE	28.17	NA	NA	NA	403.82		0.7	*
4Q13		10/2/2013	NE	28.45	NA	NA	NA	403.54		0.0	*
1Q14		2/10/2014	NE	31.33	NA	NA	NA	400.66		1.3	*
2Q14		4/1/2014	NE	31.73	NA	NA	NA	400.26		1.6	*
3Q14		7/1/2014	NE	30.58	NA	NA	NA	401.41		13.3	*
4Q14		10/2/2014	NE	29.43	NA	NA	NA	402.56		0.0	*
1Q15		1/6/2015	NE	31.16	NA	NA	NA	400.83		5.9	*
2Q15		4/2/2015	NE	32.74	NA	NA	NA	399.25		43.0	*
3Q15		7/6/2015	NE	31.83	NA	NA	NA	400.16		0.1	*
4Q15		10/1/2015	NE	29.40	NA	NA	NA	402.59		0.7	*
1Q16		1/4/2016	NE	29.59	NA	NA	NA	402.40		0.2	*
MW-07											
2Q13	443.10	4/1/2013	NE	42.90	NA	NA	NA	400.20	400.18 - 390.18 (42.92 - 52.92)	0.0	*
3Q13		7/1/2013	NE	40.08	NA	NA	NA	403.02		357.0	*
4Q13		10/2/2013	NE	40.33	NA	NA	NA	402.77		OVR	*
1Q14		2/10/2014	NE	42.94	NA	NA	NA	400.16		720.3	
2Q14		4/3/2014	NE	43.41	NA	NA	NA	399.69		6.2	
3Q14		7/1/2014	NE	42.39	NA	NA	NA	400.71		170.1	*
4Q14		10/1/2014	NE	41.32	NA	NA	NA	401.78		4259	*
1Q15		1/6/2015	NE	43.18	NA	NA	NA	399.92		9.7	
2Q15		4/2/2015	NE	44.68	NA	NA	NA	398.42		0.0	
3Q15		7/6/2015	NE	43.90	NA	NA	NA	399.20		0.0	
4Q15		10/1/2015	NE	41.35	NA	NA	NA	401.75		384.0	*
1Q16		1/4/2016	NE	41.62	NA	NA	NA	401.48		6007	*
MW-08											
2Q13	434.11	4/1/2013	NE	33.94	NA	NA	NA	400.17	400.51 - 390.51 (33.60 - 43.60)	0.2	
3Q13		7/1/2013	NE	30.90	NA	NA	NA	403.21		883.0	*
4Q13		10/2/2013	NE	31.26	NA	NA	NA	402.85		684.6	*
1Q14		2/10/2014	NE	34.02	NA	NA	NA	400.09		7.2	
2Q14		4/3/2014	NE	34.36	NA	NA	NA	399.75		2.8	
3Q14		7/2/2014	NE	33.35	NA	NA	NA	400.76		13.2	*
4Q14		10/2/2014	NE	32.19	NA	NA	NA	401.92		102.7	*
1Q15		1/6/2015	NE	33.91	NA	NA	NA	400.20		101.0	
2Q15		4/2/2015	NE	35.46	NA	NA	NA	398.65		0.0	
3Q15		7/7/2015	NE	34.51	NA	NA	NA	399.60		0.0	
4Q15		10/1/2015	NE	32.15	NA	NA	NA	401.96		663.0	*
1Q16		1/4/2016	NE	32.41	NA	NA	NA	401.70		13.0	*
MW-09											
2Q13	445.20	4/1/2013	NE	44.76	NA	NA	NA	400.44	398.75 - 388.75 (46.45 - 56.45)	0.8	*
3Q13		7/1/2013	NE	42.35	NA	NA	NA	402.85		0.8	*
4Q13		10/1/2013	NE	42.29	NA	NA	NA	402.91		0.0	*
1Q14		2/10/2014	NE	44.47	NA	NA	NA	400.73		0.6	*
2Q14		4/1/2014	NE	44.95	NA	NA	NA	400.25		1.7	*
3Q14		7/1/2014	NE	44.49	NA	NA	NA	400.71		0.0	*
4Q14		10/1/2014	NE	43.54	NA	NA	NA	401.66		0.3	*
1Q15		1/5/2015	NE	44.16	NA	NA	NA	401.04		12.8	*
2Q15		4/2/2015	NE	45.45	NA	NA	NA	399.75		0.0	*
3Q15		7/6/2015	NE	44.83	NA	NA	NA	400.37		0.0	*
4Q15		10/1/2015	NE	42.75	NA	NA	NA	402.45		0.6	*
1Q16		1/4/2016	NE	43.03	NA	NA	NA	402.17		0.0	*

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
MW-10											
2Q13	445.03	4/1/2013	NE	44.72	NA	NA	NA	400.31	400.60 - 390.60 (44.43 - 54.43)	0.0	
3Q13		7/1/2013	NE	42.55	NA	NA	NA	402.48		13.4	*
4Q13		10/1/2013	NE	42.45	NA	NA	NA	402.58		0.0	*
1Q14		2/10/2014	NE	44.42	NA	NA	NA	400.61		0.4	*
2Q14		4/1/2014	NE	44.99	NA	NA	NA	400.04		177.6	
3Q14		7/1/2014	NE	44.55	NA	NA	NA	400.48		0.0	
4Q14		10/1/2014	NE	43.65	NA	NA	NA	401.38		0.2	*
1Q15		1/5/2015	NE	44.19	NA	NA	NA	400.84		0.0	*
2Q15		4/2/2015	NE	45.38	NA	NA	NA	399.65		0.0	
3Q15		7/6/2015	NE	44.92	NA	NA	NA	400.11		169.6	
4Q15		10/1/2015	NE	42.85	NA	NA	NA	402.18		0.6	*
1Q16		1/4/2016	NE	43.07	NA	NA	NA	401.96		0.0	*
MW-11											
2Q13	442.33	4/1/2013	NE	42.18	NA	NA	NA	400.15	400.67 - 390.67 (41.66 - 51.66)	2.3	
3Q13		7/1/2013	NE	39.49	NA	NA	NA	402.84		0.3	*
4Q13		10/1/2013	NE	39.84	NA	NA	NA	402.49		0.0	*
1Q14		2/10/2014	NE	42.16	NA	NA	NA	400.17		0.3	
2Q14		4/1/2014	NE	42.55	NA	NA	NA	399.78		0.0	
3Q14		7/1/2014	NE	41.92	NA	NA	NA	400.41		0.0	
4Q14		10/1/2014	NE	39.93	NA	NA	NA	402.40		0.0	*
1Q15		1/5/2015	NE	41.72	NA	NA	NA	400.61		2.0	
2Q15		4/2/2015	NE	43.16	NA	NA	NA	399.17		0.0	
3Q15		7/6/2015	NE	42.52	NA	NA	NA	399.81		0.0	
4Q15		10/1/2015	NE	40.26	NA	NA	NA	402.07		0.2	*
1Q16		1/4/2016	NE	40.69	NA	NA	NA	401.64		0.0	*
MW-12											
2Q13	442.60	4/1/2013	NE	42.46	NA	NA	NA	400.14	400.68 - 390.68 (41.92 - 51.92)	0.0	
3Q13		7/1/2013	NE	39.57	NA	NA	NA	403.03		1.2	*
4Q13		10/1/2013	NE	40.05	NA	NA	NA	402.55		0.0	*
1Q14		2/10/2014	NE	42.54	NA	NA	NA	400.06		1.5	
2Q14		4/2/2014	NE	42.97	NA	NA	NA	399.63		0.7	
3Q14		7/1/2014	NE	42.10	NA	NA	NA	400.50		1.1	
4Q14		10/1/2014	NE	41.02	NA	NA	NA	401.58		0.0	*
1Q15		1/5/2015	NE	42.13	NA	NA	NA	400.47		33.2	
2Q15		4/2/2015	NE	43.71	NA	NA	NA	398.89		0.2	
3Q15		7/6/2015	NE	42.92	NA	NA	NA	399.68		0.0	
4Q15		10/1/2015	NE	40.60	NA	NA	NA	402.00		0.1	*
1Q16		1/5/2016	NE	40.98	NA	NA	NA	401.62		0.2	*
MW-13											
2Q13	430.27	4/2/2013	NE	29.62	NA	NA	NA	400.65	404.70 - 394.70 (25.57 - 35.57)	0.0	
3Q13		7/2/2013	NE	25.97	NA	NA	NA	404.30		2.9	
4Q13		10/2/2013	NE	26.69	NA	NA	NA	403.58		54.8	
1Q14		2/11/2014	NE	29.63	NA	NA	NA	400.64		10.1	
2Q14		4/4/2014	NE	30.11	NA	NA	NA	400.16		0.2	
3Q14		7/2/2014	NE	28.72	NA	NA	NA	401.55		1.1	
4Q14		10/3/2014	NE	27.66	NA	NA	NA	402.61		0.4	
1Q15		1/12/2015	NE	29.23	NA	NA	NA	401.04		0.0	
2Q15		4/3/2015	NE	30.83	NA	NA	NA	399.44		1.7	
3Q15		7/8/2015	NE	29.16	NA	NA	NA	401.11		254.3	
4Q15		10/2/2015	NE	27.36	NA	NA	NA	402.91		90.2	
1Q16		1/5/2016	NE	27.33	NA	NA	NA	402.94		143.8	
MW-14											
2Q13	434.44	4/2/2013	NE	33.68	NA	NA	NA	400.76	401.02 - 391.02 (33.42 - 43.42)	44.3	
3Q13		7/2/2013	NE	30.69	NA	NA	NA	403.75		7.4	*
4Q13		10/2/2013	NE	30.58	NA	NA	NA	403.86		20.5	*
1Q14		2/11/2014	NE	33.67	NA	NA	NA	400.77		45.1	
2Q14		4/4/2014	NE	34.21	NA	NA	NA	400.23		50.2	
3Q14		7/2/2014	NE	33.03	NA	NA	NA	401.41		52.0	*
4Q14		10/3/2014	NE	31.93	NA	NA	NA	402.51		83.3	*
1Q15		1/9/2015	NE	33.64	NA	NA	NA	400.80		41.8	
2Q15		4/3/2015	NE	35.20	NA	NA	NA	399.24		78.2	
3Q15		7/7/2015	NE	34.11	NA	NA	NA	400.33		207.7	
4Q15		10/2/2015	NE	31.88	NA	NA	NA	402.56		42.4	*
1Q16		1/6/2016	NE	31.75	NA	NA	NA	402.69		35.2	*
MW-16											
2Q13	443.39	4/1/2013	NE	43.55	NA	NA	NA	399.84	406.33 - 396.33 (37.06 - 47.06)	0.0	
3Q13		7/1/2013	NE	40.86	NA	NA	NA	402.53		0.0	
4Q13		10/1/2013	NE	41.43	NA	NA	NA	401.96		0.0	
1Q14		2/10/2014	NE	43.76	NA	NA	NA	399.63		0.5	
2Q14		4/1/2014	NE	44.19	NA	NA	NA	399.20		0.6	
3Q14		7/1/2014	NE	43.45	NA	NA	NA	399.94		0.0	
4Q14		10/1/2014	NE	42.35	NA	NA	NA	401.04		0.0	
1Q15		1/5/2015	NE	43.45	NA	NA	NA	399.94		0.0	
2Q15		4/2/2015	NE	44.93	NA	NA	NA	398.46		0.0	
3Q15		7/6/2015	NE	44.31	NA	NA	NA	399.08		0.0	
4Q15		10/1/2015	NE	41.89	NA	NA	NA	401.50		0.1	
1Q16		1/5/2016	NE	42.32	NA	NA	NA	401.07		0.0	

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
MW-17											
2Q13	441.57	4/1/2013	NE	41.85	NA	NA	NA	399.72	407.28 - 392.28 (34.29 - 49.29)	0.5	
3Q13		7/1/2013	NE	39.42	NA	NA	NA	402.15		0.0	
4Q13		10/1/2013	NE	40.18	NA	NA	NA	401.39		0.0	
1Q14		2/10/2014	NE	42.25	NA	NA	NA	399.32		0.0	
2Q14		4/3/2014	NE	42.76	NA	NA	NA	398.81		2.1	
3Q14		7/1/2014	NE	41.92	NA	NA	NA	399.65		0.0	
4Q14		10/1/2014	NE	41.07	NA	NA	NA	400.50		0.0	
1Q15		1/5/2015	NE	41.86	NA	NA	NA	399.71		1.9	
2Q15		4/2/2015	NE	43.20	NA	NA	NA	398.37		0.0	
3Q15		7/6/2015	NE	42.73	NA	NA	NA	398.84		0.0	
4Q15		10/1/2015	NE	40.33	NA	NA	NA	401.24		0.1	
1Q16		1/4/2016	NE	41.00	NA	NA	NA	400.57		0.1	
MW-18											
2Q13	442.04	4/1/2013	NE	42.38	NA	NA	NA	399.66	407.12 - 392.12 (34.92 - 49.92)	0.0	
3Q13		7/1/2013	NE	39.89	NA	NA	NA	402.15		0.0	
4Q13		10/1/2013	NE	40.85	NA	NA	NA	401.19		0.0	
1Q14		2/11/2014	NE	42.85	NA	NA	NA	399.19		0.0	
2Q14		4/1/2014	NE	43.41	NA	NA	NA	398.63		0.0	
3Q14		7/1/2014	NE	42.49	NA	NA	NA	399.55		0.9	
4Q14		10/1/2014	NE	41.67	NA	NA	NA	400.37		0.0	
1Q15		1/5/2015	NE	42.55	NA	NA	NA	399.49		0.3	
2Q15		4/2/2015	NE	44.53	NA	NA	NA	397.51		0.0	
3Q15		7/6/2015	NE	43.44	NA	NA	NA	398.60		0.0	
4Q15		10/1/2015	NE	40.97	NA	NA	NA	401.07		0.1	
1Q16		1/4/2016	NE	41.75	NA	NA	NA	400.29		0.0	
MW-19											
2Q13	442.77	4/1/2013	NE	43.04	NA	NA	NA	399.73	406.43 - 391.43 (36.34 - 51.34)	10.3	
3Q13		7/1/2013	NE	40.50	NA	NA	NA	402.27		0.0	
4Q13		10/2/2013	NE	41.24	NA	NA	NA	401.53		0.0	
1Q14		2/10/2014	NE	43.41	NA	NA	NA	399.36		0.9	
2Q14		4/1/2014	NE	43.92	NA	NA	NA	398.85		0.0	
3Q14		7/1/2014	NE	42.92	NA	NA	NA	399.85		0.6	
4Q14		10/1/2014	NE	42.02	NA	NA	NA	400.75		0.0	
1Q15		1/5/2015	NE	43.13	NA	NA	NA	399.64		0.0	
2Q15		4/2/2015	NE	43.94	NA	NA	NA	398.83		0.0	
3Q15		7/6/2015	NE	43.99	NA	NA	NA	398.78		0.0	
4Q15		10/1/2015	NE	41.48	NA	NA	NA	401.29		0.2	
1Q16		1/4/2016	NE	42.14	NA	NA	NA	400.63		0.4	
MW-20											
2Q13	443.67	4/1/2013	NE	43.89	NA	NA	NA	399.78	407.79 - 392.79 (35.88 - 50.88)	0.1	
3Q13		7/1/2013	NE	41.23	NA	NA	NA	402.44		0.0	
4Q13		10/1/2013	NE	41.77	NA	NA	NA	401.90		0.0	
1Q14		2/10/2014	NE	44.09	NA	NA	NA	399.58		1.4	
2Q14		4/2/2014	NE	44.65	NA	NA	NA	399.02		0.0	
3Q14		7/1/2014	NE	43.64	NA	NA	NA	400.03		1.3	
4Q14		10/1/2014	NE	42.63	NA	NA	NA	401.04		0.0	
1Q15		1/5/2015	NE	43.93	NA	NA	NA	399.74		0.0	
2Q15		4/2/2015	NE	45.39	NA	NA	NA	398.28		0.0	
3Q15		7/6/2015	NE	44.83	NA	NA	NA	398.84		0.0	
4Q15		10/1/2015	NE	42.33	NA	NA	NA	401.34		0.2	
1Q16		1/4/2016	NE	42.76	NA	NA	NA	400.91		0.5	
MW-21											
2Q13	443.81	4/1/2013	NE	43.79	NA	NA	NA	400.02	408.80 - 393.80 (35.01 - 50.01)	0.3	
3Q13		7/1/2013	NE	41.05	NA	NA	NA	402.76		0.0	
4Q13		10/2/2013	NE	41.40	NA	NA	NA	402.41		0.0	
1Q14		2/10/2014	NE	43.91	NA	NA	NA	399.90		32.5	
2Q14		4/3/2014	NE	44.38	NA	NA	NA	399.43		1.8	
3Q14		7/2/2014	NE	43.38	NA	NA	NA	400.43		0.0	
4Q14		10/1/2014	NE	42.28	NA	NA	NA	401.53		0.0	
1Q15		1/6/2015	NE	44.15	NA	NA	NA	399.66		13.8	
2Q15		4/2/2015	NE	45.58	NA	NA	NA	398.23		0.0	
3Q15		7/6/2015	NE	44.96	NA	NA	NA	398.85		0.0	
4Q15		10/1/2015	NE	42.33	NA	NA	NA	401.48		0.1	
1Q16		1/4/2016	NE	42.53	NA	NA	NA	401.28		0.2	
MW-22											
2Q13	442.16	4/1/2013	NE	42.31	NA	NA	NA	399.85	404.28 - 394.28 (37.88 - 47.88)	2.8	
3Q13		7/5/2013	NE	39.60	NA	NA	NA	402.56		0.6	
4Q13		10/1/2013	NE	40.23	NA	NA	NA	401.93		0.0	
1Q14		2/10/2014	NE	42.49	NA	NA	NA	399.67		0.3	
2Q14		4/3/2014	NE	42.90	NA	NA	NA	399.26		0.2	
3Q14		7/1/2014	NE	42.18	NA	NA	NA	399.98		0.1	
4Q14		10/1/2014	NE	41.20	NA	NA	NA	400.96		0.0	
1Q15		1/6/2015	NE	42.13	NA	NA	NA	400.03		0.0	
2Q15		4/2/2015	NE	43.53	NA	NA	NA	398.63		0.2	
3Q15		7/6/2015	NE	42.94	NA	NA	NA	399.22		0.0	
4Q15		10/1/2015	NE	40.56	NA	NA	NA	401.60		0.1	
1Q16		1/4/2016	NE	41.12	NA	NA	NA	401.04		0.0	

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
MW-23											
2Q15	431.41	4/2/2015	NE	32.21	NA	NA	NA	399.20	402.39 - 392.39 (29.02 - 39.02)	0.0	Installed during 1Q15
3Q15		7/7/2015	NE	30.74	NA	NA	NA	400.67		8.3	
4Q15		10/1/2015	NE	28.80	NA	NA	NA	402.61		0.5	*
1Q16		1/5/2016	NE	29.05	NA	NA	NA	402.36		0.1	
MW-24											
2Q13	443.42	4/1/2013	NE	43.44	NA	NA	NA	399.98	404.53 - 394.53 (38.89 - 48.89)	0.5	Installed during 1Q13
3Q13		7/3/2013	NE	40.59	NA	NA	NA	402.83		0.0	
4Q13		10/1/2013	NE	41.08	NA	NA	NA	402.34		134.4	
1Q14		2/10/2014	NE	43.47	NA	NA	NA	399.95		14.2	
2Q14		4/1/2014	NE	43.86	NA	NA	NA	399.56		4.9	
3Q14		7/1/2014	NE	43.15	NA	NA	NA	400.27		0.0	
4Q14		10/1/2014	NE	42.13	NA	NA	NA	401.29		13.8	
1Q15		1/5/2015	NE	43.00	NA	NA	NA	400.42		120.0	
2Q15		4/2/2015	NE	44.50	NA	NA	NA	398.92		0.3	
3Q15		7/6/2015	NE	43.76	NA	NA	NA	399.66		1.2	
4Q15		10/1/2015	NE	41.52	NA	NA	NA	401.90		0.1	
1Q16		1/4/2016	NE	41.94	NA	NA	NA	401.48		0.0	
MW-25											
4Q14	438.35	10/1/2014	NE	36.50	NA	NA	NA	401.85	402.76 - 392.76 (35.59 - 45.59)	0.0	Installed during 3Q14
1Q15		1/6/2015	NE	38.16	NA	NA	NA	400.19		1.3	
2Q15		4/2/2015	NE	39.69	NA	NA	NA	398.66		1.2	
3Q15		7/6/2015	NE	38.84	NA	NA	NA	399.51		0.1	
4Q15		10/1/2015	NE	36.39	NA	NA	NA	401.96		0.5	
1Q16		1/4/2016	NE	36.68	NA	NA	NA	401.67		132.0	
MW-26											
4Q14	441.02	10/2/2014	NE	39.41	NA	NA	NA	401.61	402.87 - 392.87 (38.15 - 48.15)	8.2	Installed during 3Q14
1Q15		1/6/2015	NE	40.99	NA	NA	NA	400.03		NA	
2Q15		4/2/2015	NE	42.48	NA	NA	NA	398.54		22.9	
3Q15		7/6/2015	NE	41.77	NA	NA	NA	399.25		0.8	
4Q15		10/1/2015	NE	39.25	NA	NA	NA	401.77		0.6	
1Q16		1/5/2016	NE	39.55	NA	NA	NA	401.47		0.7	
MW-27											
1Q15	443.40	1/5/2015	NE	41.95	NA	NA	NA	401.45	403.61 - 393.61 (39.79 - 49.79)	NA	Installed during 4Q14
2Q15		4/2/2015	NE	43.28	NA	NA	NA	400.12		10.9	
3Q15		7/6/2015	NE	43.07	NA	NA	NA	400.33		0.0	
4Q15		10/1/2015	NE	40.50	NA	NA	NA	402.90		0.6	
1Q16		1/4/2016	NE	41.02	NA	NA	NA	402.38		0.0	
MW-28											
4Q14	443.34	10/1/2014	NE	41.10	NA	NA	NA	402.24	409.73 - 399.73 (33.61 - 43.61)	0.0	Installed during 3Q14
1Q15		1/5/2015	NE	41.05	NA	NA	NA	402.29		NA	
2Q15		4/2/2015	NE	42.12	NA	NA	NA	401.22		0.0	
3Q15		7/7/2015	NE	42.39	NA	NA	NA	400.95		0.0	
4Q15		10/1/2015	NE	40.23	NA	NA	NA	403.11		0.6	
1Q16		1/4/2016	NE	40.34	NA	NA	NA	403.00		0.0	
P-01											
2Q13	442.56	4/1/2013	NE	33.68	NA	NA	NA	408.88	380.61 - 375.61 (61.95 - 66.95)	0.4	*
3Q13		7/3/2013	NE	30.60	NA	NA	NA	411.96		0.0	*
4Q13		10/1/2013	NE	33.13	NA	NA	NA	409.43		0.6	*
1Q14		2/12/2014	NE	35.21	NA	NA	NA	407.35		0.1	*
2Q14		4/2/2014	NE	35.61	NA	NA	NA	406.95		0.0	*
3Q14		7/3/2014	NE	34.33	NA	NA	NA	408.23		0.2	*
4Q14		10/1/2014	NE	33.96	NA	NA	NA	408.60		0.0	*
1Q15	442.73	1/5/2015	NM	NM	NA	NA	NA	NA	380.78 - 375.78 (61.95 - 66.95)	NM	Unsafe condition
2Q15		4/6/2015	NE	34.46	NA	NA	NA	408.27		0.2	*
3Q15		7/6/2015	NE	31.98	NA	NA	NA	410.75		0.1	*
4Q15		10/1/2015	NE	32.22	NA	NA	NA	410.51		0.0	*
1Q16		1/5/2016	NE	31.14	NA	NA	NA	411.59		0.0	*
P-4U											
2Q13	442.50	4/1/2013	NE	35.95	NA	NA	NA	406.55	361.35 - 359.35 (81.15 - 83.15)	0.5	*
3Q13		7/3/2013	NE	32.80	NA	NA	NA	409.70		0.0	*
4Q13		10/1/2013	NE	34.72	NA	NA	NA	407.78		0.2	*
1Q14		2/12/2014	NE	36.76	NA	NA	NA	405.74		51.0	*
2Q14		4/4/2014	NE	39.91	NA	NA	NA	402.59		0.2	*
3Q14		7/3/2014	NE	36.64	NA	NA	NA	405.86		0.0	*
4Q14		10/1/2014	NE	36.22	NA	NA	NA	406.28		0.0	*
1Q15	442.54	1/5/2015	NE	36.01	NA	NA	NA	406.53	361.39 - 359.39 (81.15 - 83.15)	0.0	*
2Q15		4/6/2015	NE	35.88	NA	NA	NA	406.66		0.4	*
3Q15		7/6/2015	NE	34.58	NA	NA	NA	407.96		0.2	*
4Q15		10/1/2015	NE	33.65	NA	NA	NA	408.89		0.0	*
1Q16		1/4/2016	NE	33.33	NA	NA	NA	409.21		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-5L											
2Q13	443.79	4/1/2013	NE	35.84	NA	NA	NA	407.95	303.39 - 301.39 (140.40 - 142.40)	0.0	*
3Q13		7/3/2013	NE	31.51	NA	NA	NA	412.28		0.0	*
4Q13		10/1/2013	NE	34.35	NA	NA	NA	409.44		0.4	*
1Q14		2/12/2014	NE	36.88	NA	NA	NA	406.91		0.2	*
2Q14		4/4/2014	NE	41.40	NA	NA	NA	402.39		2.0	*
3Q14		7/3/2014	NE	36.65	NA	NA	NA	407.14		0.0	*
4Q14		10/1/2014	NE	36.38	NA	NA	NA	407.41		0.0	*
1Q15	443.84	1/5/2015	NE	36.83	NA	NA	NA	407.01	303.44 - 301.44 (140.40 - 142.40)	0.0	*
2Q15		4/6/2015	NE	36.21	NA	NA	NA	407.63		0.1	*
3Q15		7/7/2015	NE	34.32	NA	NA	NA	409.52		0.0	*
4Q15		10/1/2015	NE	33.87	NA	NA	NA	409.97		0.0	*
1Q16		1/4/2016	NE	32.95	NA	NA	NA	410.89		0.2	*
P-5U											
2Q13	444.15	4/1/2013	NE	37.24	NA	NA	NA	406.91	313.52 - 311.52 (130.63 - 132.63)	0.0	*
3Q13		7/3/2013	NE	33.53	NA	NA	NA	410.62		0.0	*
4Q13		10/1/2013	NE	35.88	NA	NA	NA	408.27		0.0	*
1Q14		2/12/2014	NE	38.00	NA	NA	NA	406.15		0.5	*
2Q14		4/4/2014	NE	50.04	NA	NA	NA	394.11		0.2	*
3Q14		7/3/2014	NE	37.95	NA	NA	NA	406.20		0.0	*
4Q14		10/1/2014	NE	37.56	NA	NA	NA	406.59		0.0	*
1Q15	444.24	1/5/2015	NE	46.14	NA	NA	NA	398.10	313.61 - 311.61 (130.63 - 132.63)	0.1	*
2Q15		4/6/2015	NE	37.23	NA	NA	NA	407.01		0.1	*
3Q15		7/7/2015	NE	35.71	NA	NA	NA	408.53		0.0	*
4Q15		10/1/2015	NE	35.03	NA	NA	NA	409.21		0.0	*
1Q16		1/4/2016	NE	34.53	NA	NA	NA	409.71		0.0	*
P-6U											
2Q13	443.35	4/1/2013	NE	36.88	NA	NA	NA	406.47	362.85 - 360.85 (80.50 - 82.50)	0.0	*
3Q13		7/3/2013	NE	33.17	NA	NA	NA	410.18		0.0	*
4Q13		10/1/2013	NE	35.31	NA	NA	NA	408.04		0.1	*
1Q14		2/12/2014	NE	37.45	NA	NA	NA	405.90		0.7	*
2Q14		4/4/2014	NE	42.10	NA	NA	NA	401.25		1.5	*
3Q14		7/3/2014	NE	37.52	NA	NA	NA	405.83		0.1	*
4Q14		10/1/2014	NE	37.17	NA	NA	NA	406.18		0.0	*
1Q15	443.45	1/5/2015	NE	37.12	NA	NA	NA	406.33	362.95 - 360.95 (80.50 - 82.50)	0.0	*
2Q15		4/6/2015	NE	36.85	NA	NA	NA	406.60		0.1	*
3Q15		7/7/2015	NE	35.43	NA	NA	NA	408.02		0.0	*
4Q15		10/1/2015	NE	34.54	NA	NA	NA	408.91		0.0	*
1Q16		1/4/2016	NE	34.19	NA	NA	NA	409.26		0.0	*
P-7U											
2Q13	443.80	4/1/2013	NE	37.12	NA	NA	NA	406.68	382.72 - 380.72 (61.08 - 63.08)	0.0	*
3Q13		7/3/2013	NE	33.11	NA	NA	NA	410.69		0.0	*
4Q13		10/1/2013	NE	35.54	NA	NA	NA	408.26		0.1	*
1Q14		2/12/2014	NE	37.76	NA	NA	NA	406.04		2.0	*
2Q14		4/2/2014	NE	43.67	NA	NA	NA	400.13		0.2	*
3Q14		7/3/2014	NE	37.81	NA	NA	NA	405.99		0.3	*
4Q14		10/1/2014	NE	37.52	NA	NA	NA	406.28		0.0	*
1Q15	443.91	1/6/2015	NE	37.49	NA	NA	NA	406.42	382.83 - 380.83 (61.08 - 63.08)	0.0	*
2Q15		4/6/2015	NE	37.22	NA	NA	NA	406.69		0.5	*
3Q15		7/6/2015	NE	35.66	NA	NA	NA	408.25		0.1	*
4Q15		10/1/2015	NE	34.86	NA	NA	NA	409.05		0.0	*
1Q16		1/4/2016	NE	34.35	NA	NA	NA	409.56		0.0	*
P-8U											
2Q13	441.87	4/1/2013	NE	37.30	NA	NA	NA	404.57	382.35 - 380.35 (59.52 - 61.52)	0.0	*
3Q13		7/3/2013	NE	34.48	NA	NA	NA	407.39		0.0	*
4Q13		10/1/2013	NE	35.70	NA	NA	NA	406.17		0.0	*
1Q14		2/12/2014	NE	37.54	NA	NA	NA	404.33		0.4	*
2Q14		4/1/2014	NE	38.43	NA	NA	NA	403.44		0.0	*
3Q14		7/1/2014	NE	38.00	NA	NA	NA	403.87		0.0	*
4Q14		10/3/2014	NE	37.73	NA	NA	NA	404.14		0.0	*
1Q15	441.85	1/5/2015	NE	37.08	NA	NA	NA	404.77	382.33 - 380.33 (59.52 - 61.52)	0.0	*
2Q15		4/6/2015	NE	37.06	NA	NA	NA	404.79		0.1	*
3Q15		7/6/2015	NE	36.24	NA	NA	NA	405.61		0.1	*
4Q15		10/1/2015	NE	34.97	NA	NA	NA	406.88		0.0	*
1Q16		1/4/2016	NE	34.99	NA	NA	NA	406.86		0.1	*
P-9U											
2Q13	444.91	4/1/2013	NE	41.20	NA	NA	NA	403.71	344.32 - 342.32 (100.59 - 102.59)	0.0	*
3Q13		7/3/2013	NE	39.74	NA	NA	NA	405.17		0.5	*
4Q13		10/1/2013	NE	39.93	NA	NA	NA	404.98		0.0	*
1Q14		2/12/2014	NE	41.36	NA	NA	NA	403.55		0.1	*
2Q14		4/1/2014	NE	42.28	NA	NA	NA	402.63		0.0	*
3Q14		7/2/2014	NE	42.07	NA	NA	NA	402.84		0.0	*
4Q14		10/3/2014	NE	41.81	NA	NA	NA	403.10		0.0	*
1Q15	445.04	1/6/2015	NE	41.41	NA	NA	NA	403.63	344.45 - 342.45 (100.59 - 102.59)	0.0	*
2Q15		4/6/2015	NE	41.60	NA	NA	NA	403.44		0.1	*
3Q15		7/6/2015	NE	40.70	NA	NA	NA	404.34		0.1	*
4Q15		10/1/2015	NE	39.69	NA	NA	NA	405.35		0.0	*
1Q16		1/5/2016	NE	39.77	NA	NA	NA	405.27		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-11L											
2Q13	442.80	4/1/2013	NE	37.97	NA	NA	NA	404.83	332.59 - 330.59 (110.21 - 112.21)	0.0	*
3Q13		7/3/2013	NE	37.85	NA	NA	NA	404.95		0.0	*
4Q13		10/1/2013	NE	36.60	NA	NA	NA	406.20		1.0	*
1Q14		2/12/2014	NE	38.37	NA	NA	NA	404.43		8.9	*
2Q14		4/4/2014	NE	42.89	NA	NA	NA	399.91		7.1	*
3Q14		7/1/2014	NE	38.58	NA	NA	NA	404.22		0.0	*
4Q14		10/2/2014	NE	38.10	NA	NA	NA	404.70		0.0	*
1Q15	442.55	1/6/2015	NE	37.70	NA	NA	NA	404.85	332.34 - 330.34 (110.21 - 112.21)	0.0	*
2Q15		4/6/2015	NE	37.51	NA	NA	NA	405.04		0.2	*
3Q15		7/7/2015	NE	36.88	NA	NA	NA	405.67		0.0	*
4Q15		10/1/2015	NE	35.54	NA	NA	NA	407.01		0.0	*
1Q16		1/4/2016	NE	35.47	NA	NA	NA	407.08		0.0	*
P-11U											
2Q13	443.09	4/1/2013	NE	38.62	NA	NA	NA	404.47	343.17 - 341.17 (99.92 - 101.92)	0.0	*
3Q13		7/3/2013	NE	36.40	NA	NA	NA	406.69		0.0	*
4Q13		10/1/2013	NE	37.20	NA	NA	NA	405.89		0.0	*
1Q14		2/12/2014	NE	38.98	NA	NA	NA	404.11		0.9	*
2Q14		4/4/2014	NE	39.74	NA	NA	NA	403.35		0.2	*
3Q14		7/1/2014	NE	39.18	NA	NA	NA	403.91		0.0	*
4Q14		10/2/2014	NE	38.74	NA	NA	NA	404.35		0.0	*
1Q15	443.17	1/6/2015	NE	37.32	NA	NA	NA	405.85	343.25 - 341.25 (99.92 - 101.92)	0.1	*
2Q15		4/6/2015	NE	38.13	NA	NA	NA	405.04		0.2	*
3Q15		7/7/2015	NE	37.51	NA	NA	NA	405.66		0.1	*
4Q15		10/1/2015	NE	36.14	NA	NA	NA	407.03		0.0	*
1Q16		1/4/2016	NE	36.09	NA	NA	NA	407.08		0.0	*
P-14											
2Q13	442.65	4/1/2013	NE	33.74	NA	NA	NA	408.91	395.32 - 385.32 (47.33 - 57.33)	0.0	*
3Q13		7/3/2013	NE	30.67	NA	NA	NA	411.98		0.0	*
4Q13		10/1/2013	NE	33.18	NA	NA	NA	409.47		4.6	*
1Q14		2/12/2014	NE	35.26	NA	NA	NA	407.39		12.8	*
2Q14		4/2/2014	NE	35.67	NA	NA	NA	406.98		0.0	*
3Q14		7/3/2014	NE	34.40	NA	NA	NA	408.25		25.7	*
4Q14		10/1/2014	NE	34.05	NA	NA	NA	408.60		0.0	*
1Q15	442.74	1/5/2015	NM	NM	NA	NA	NA	NA	395.41 - 385.41 (47.33 - 57.33)	NM	Unsafe condition
2Q15		4/6/2015	NE	34.49	NA	NA	NA	408.25		0.7	*
3Q15		7/6/2015	NE	32.06	NA	NA	NA	410.68		0.2	*
4Q15		10/1/2015	NE	32.24	NA	NA	NA	410.50		0.0	*
1Q16		1/5/2016	NE	31.21	NA	NA	NA	411.53		0.0	*
P-15											
2Q13	443.35	4/1/2013	NE	36.46	NA	NA	NA	406.89	397.90 - 387.90 (45.45 - 55.45)	0.0	*
3Q13		7/3/2013	NE	33.48	NA	NA	NA	409.87		0.0	*
4Q13		10/1/2013	NE	35.03	NA	NA	NA	408.32		0.2	*
1Q14		2/12/2014	NE	37.08	NA	NA	NA	406.27		1.5	*
2Q14		4/4/2014	NE	39.02	NA	NA	NA	404.33		0.3	*
3Q14		7/3/2014	NE	37.04	NA	NA	NA	406.31		0.0	*
4Q14		10/1/2014	NE	36.57	NA	NA	NA	406.78		0.0	*
1Q15	443.69	1/5/2015	NE	36.49	NA	NA	NA	407.20	398.24 - 388.24 (45.45 - 55.45)	0.0	*
2Q15		4/6/2015	NE	36.56	NA	NA	NA	407.13		1.4	*
3Q15		7/6/2015	NE	35.09	NA	NA	NA	408.60		1.8	*
4Q15		10/1/2015	NE	34.29	NA	NA	NA	409.40		0.0	*
1Q16		1/4/2016	NE	34.22	NA	NA	NA	409.47		0.0	*
P-16											
2Q13	442.31	4/1/2013	NE	35.55	NA	NA	NA	406.76	396.57 - 386.57 (45.74 - 55.74)	0.0	*
3Q13		7/3/2013	NE	32.10	NA	NA	NA	410.21		0.0	*
4Q13		10/1/2013	NE	33.96	NA	NA	NA	408.35		0.3	*
1Q14		2/12/2014	NE	36.08	NA	NA	NA	406.23		10.1	*
2Q14		4/3/2014	NE	37.82	NA	NA	NA	404.49		42.2	*
3Q14		7/3/2014	NE	36.15	NA	NA	NA	406.16		0.7	*
4Q14		10/1/2014	NE	35.77	NA	NA	NA	406.54		0.0	*
1Q15	442.68	1/5/2015	NE	35.72	NA	NA	NA	406.96	396.94 - 386.94 (45.74 - 55.74)	0.0	*
2Q15		4/6/2015	NE	35.78	NA	NA	NA	406.90		0.3	*
3Q15		7/7/2015	NE	33.98	NA	NA	NA	408.70		0.0	*
4Q15		10/1/2015	NE	33.54	NA	NA	NA	409.14		0.0	*
1Q16		1/4/2016	NE	33.11	NA	NA	NA	409.57		1.1	*
P-43											
2Q13	444.07	4/1/2013	NE	39.10	NA	NA	NA	404.97	380.51 - 370.51 (63.56 - 73.56)	0.0	*
3Q13		7/3/2013	NE	37.04	NA	NA	NA	407.03		0.0	*
4Q13		10/1/2013	NE	37.73	NA	NA	NA	406.34		0.1	*
1Q14		2/12/2014	NE	39.52	NA	NA	NA	404.55		1.2	*
2Q14		4/4/2014	NE	41.35	NA	NA	NA	402.72		0.2	*
3Q14		7/1/2014	NE	39.73	NA	NA	NA	404.34		0.0	*
4Q14		10/2/2014	NE	39.31	NA	NA	NA	404.76		8.5	*
1Q15	444.44	1/6/2015	NE	38.78	NA	NA	NA	405.66	380.88 - 370.88 (63.56 - 73.56)	0.0	*
2Q15		4/6/2015	NE	39.01	NA	NA	NA	405.43		0.3	*
3Q15		7/7/2015	NE	38.03	NA	NA	NA	406.41		0.1	*
4Q15		10/1/2015	NE	37.03	NA	NA	NA	407.41		1.0	*
1Q16		1/4/2016	NE	36.96	NA	NA	NA	407.48		0.0	*

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TABLE 1a
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WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-53											
2Q13	446.23	4/1/2013	NE	44.29	NA	NA	NA	401.94	407.73 - 382.73 (38.50 - 63.50)	0.1	
3Q13		7/2/2013	NE	42.84	NA	NA	NA	403.39		0.4	
4Q13		10/2/2013	NE	42.20	NA	NA	NA	404.03		0.0	
1Q14		2/10/2014	NE	43.66	NA	NA	NA	402.57		0.0	
2Q14		4/1/2014	NE	44.32	NA	NA	NA	401.91		0.3	
3Q14		7/1/2014	NE	44.49	NA	NA	NA	401.74		0.0	
4Q14		10/2/2014	NE	43.81	NA	NA	NA	402.42		0.0	
1Q15	446.41	1/8/2015	NE	43.82	NA	NA	NA	402.59	407.91 - 382.91 (38.50 - 63.50)	0.0	
2Q15		4/2/2015	NE	44.65	NA	NA	NA	401.76		0.0	
3Q15		7/7/2015	NE	44.16	NA	NA	NA	402.25		0.0	
4Q15		10/1/2015	NE	42.69	NA	NA	NA	403.72		0.1	
1Q16		1/6/2016	NE	42.55	NA	NA	NA	403.86		0.1	
P-54											
2Q13	442.18	4/1/2013	NE	42.26	NA	NA	NA	399.92	404.18 - 379.18 (38.00 - 63.00)	0.0	
3Q13		7/1/2013	NE	39.40	NA	NA	NA	402.78		0.8	
4Q13		10/1/2013	NE	39.74	NA	NA	NA	402.44		0.0	
1Q14		2/10/2014	NE	42.20	NA	NA	NA	399.98		0.2	
2Q14		4/3/2014	NE	42.59	NA	NA	NA	399.59		0.2	
3Q14		7/1/2014	NE	41.88	NA	NA	NA	400.30		0.0	
4Q14		10/1/2014	NE	40.82	NA	NA	NA	401.36		0.0	
1Q15	442.32	1/5/2015	NE	41.69	NA	NA	NA	400.63	404.32 - 379.32 (38.00 - 63.00)	0.0	
2Q15		4/2/2015	NE	43.20	NA	NA	NA	399.12		0.0	
3Q15		7/6/2015	NE	42.40	NA	NA	NA	399.92		0.0	
4Q15		10/1/2015	NE	40.21	NA	NA	NA	402.11		0.1	
1Q16		1/4/2016	NE	40.60	NA	NA	NA	401.72		1.6	
P-55R											
2Q13	443.78	4/2/2013	NE	43.87	NA	NA	NA	399.91	403.35 - 393.35 (40.43 - 50.43)	202.0	Replaced during 4Q12
3Q13		7/5/2013	NE	41.43	NA	NA	NA	402.35		136.4	
4Q13		10/2/2013	NE	41.58	NA	NA	NA	402.20		52.4	
1Q14		2/13/2014	43.24	43.37	400.41	400.54	0.13	400.51		93.3	
2Q14		4/4/2014	44.32	44.37	399.41	399.46	0.05	399.45		29.1	
3Q14		7/1/2014	43.63	43.76	400.02	400.15	0.13	400.12		192.0	
4Q14		10/3/2014	42.81	43.02	400.76	400.97	0.21	400.93		53.8	
1Q15	443.79	1/8/2015	42.94	43.19	400.60	400.85	0.25	400.80	403.36 - 393.36 (40.43 - 50.43)	93.9	
2Q15		4/1/2015	44.63	44.76	399.03	399.16	0.13	399.13		51.6	
3Q15		7/9/2015	44.16	44.27	399.52	399.63	0.11	399.61		0.3	
4Q15		10/1/2015	42.04	42.05	401.74	401.75	0.01	401.75		379.0	
1Q16		1/4/2016	42.26	42.36	401.43	401.53	0.10	401.51		38.4	
P-56											
2Q13	446.02	4/2/2013	NE	46.40	NA	NA	NA	399.62	405.20 - 380.20 (40.82 - 65.82)	0.0	
3Q13		7/5/2013	NE	43.60	NA	NA	NA	402.42		0.0	
4Q13		10/2/2013	NE	44.29	NA	NA	NA	401.73		0.1	
1Q14		2/13/2014	NE	46.35	NA	NA	NA	399.67		0.0	
2Q14		4/4/2014	NE	47.32	NA	NA	NA	398.70		0.3	
3Q14		7/1/2014	NE	46.14	NA	NA	NA	399.88		0.0	
4Q14		10/3/2014	NE	45.20	NA	NA	NA	400.82		0.0	
1Q15	446.14	1/8/2015	NE	46.24	NA	NA	NA	399.90	405.32 - 380.32 (40.82 - 65.82)	0.2	
2Q15		4/1/2015	NE	48.02	NA	NA	NA	398.12		0.0	
3Q15		7/9/2015	NE	47.46	NA	NA	NA	398.68		0.0	
4Q15		10/1/2015	NE	44.89	NA	NA	NA	401.25		0.0	
1Q16		1/4/2016	NE	45.32	NA	NA	NA	400.82		0.0	
P-57											
2Q13	446.53	4/2/2013	NE	46.63	NA	NA	NA	399.90	406.07 - 381.07 (40.46 - 65.46)	0.0	
3Q13		7/5/2013	NE	43.70	NA	NA	NA	402.83		0.0	
4Q13		10/2/2013	NE	44.12	NA	NA	NA	402.41		1.8	
1Q14		2/12/2014	NE	46.57	NA	NA	NA	399.96		2.0	
2Q14		4/7/2014	NE	47.27	NA	NA	NA	399.26		4.1	
3Q14		7/1/2014	NE	46.12	NA	NA	NA	400.41		0.0	
4Q14		10/3/2014	NE	45.25	NA	NA	NA	401.28		0.0	
1Q15	446.96	1/5/2015	NE	47.37	NA	NA	NA	399.59	402.77 - 392.77 (44.19 - 54.19)	0.0	Replaced during 4Q14
2Q15		4/1/2015	NE	45.87	NA	NA	NA	401.09		0.0	
3Q15		7/9/2015	NE	48.22	NA	NA	NA	398.74		0.0	
4Q15		10/1/2015	NE	45.50	NA	NA	NA	401.46		0.1	
1Q16		1/4/2016	NE	45.75	NA	NA	NA	401.21		0.0	
P-58											
2Q13	444.92	4/2/2013	NE	44.75	NA	NA	NA	400.17	404.70 - 379.70 (40.21 - 65.21)	0.0	
3Q13		7/5/2013	NE	41.85	NA	NA	NA	403.07		0.0	
4Q13		10/2/2013	NE	41.97	NA	NA	NA	402.95		4.9	
1Q14		2/12/2014	NE	44.66	NA	NA	NA	400.26		3.6	
2Q14		4/4/2014	NE	45.39	NA	NA	NA	399.53		0.3	
3Q14		7/2/2014	NE	44.25	NA	NA	NA	400.67		0.0	
4Q14		10/3/2014	NE	43.13	NA	NA	NA	401.79		0.0	
1Q15	444.94	1/8/2015	NE	44.98	NA	NA	NA	399.96	404.73 - 379.73 (40.21 - 65.21)	6.3	
2Q15		4/1/2015	NE	46.79	NA	NA	NA	398.15		0.0	
3Q15		7/9/2015	NE	46.01	NA	NA	NA	398.93		0.0	
4Q15		10/1/2015	NE	43.27	NA	NA	NA	401.67		1.3	
1Q16		1/4/2016	NE	43.50	NA	NA	NA	401.44		0.0	

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-59											
2Q13	446.78	4/2/2013	NE	47.20	NA	NA	NA	399.58	398.87 - 373.87 (47.91 - 72.91)	116.0	*
3Q13		7/5/2013	NE	44.47	NA	NA	NA	402.31		186.4	*
4Q13		10/2/2013	NE	45.37	NA	NA	NA	401.41		131.4	*
1Q14		2/13/2014	NE	47.35	NA	NA	NA	399.43		111.4	*
2Q14		4/4/2014	NE	49.04	NA	NA	NA	397.74		0.3	
3Q14		7/1/2014	NE	47.17	NA	NA	NA	399.61		292.1	*
4Q14		10/3/2014	NE	46.39	NA	NA	NA	400.39		397.3	*
1Q15	446.86	1/8/2015	NE	47.00	NA	NA	NA	399.86	398.95 - 373.95 (47.91 - 72.91)	377.9	*
2Q15		4/1/2015	NE	48.86	NA	NA	NA	398.00		0.0	
3Q15		7/9/2015	NE	46.50	NA	NA	NA	400.36		0.0	* Gauging results anomalous
4Q15		10/1/2015	NE	45.81	NA	NA	NA	401.05		349.0	*
1Q16		1/4/2016	NE	46.43	NA	NA	NA	400.43		135.0	*
P-60											
2Q13	446.57	4/2/2013	46.96	47.04	399.53	399.61	0.08	399.60	403.12 - 383.12 (43.45 - 63.45)	8.8	
3Q13		7/5/2013	44.41	44.46	402.11	402.16	0.05	402.15		42.7	
4Q13		10/2/2013	44.91	44.99	401.58	401.66	0.08	401.65		28.3	
1Q14		2/13/2014	46.68	46.79	399.78	399.89	0.11	399.87		2.4	
2Q14		4/4/2014	47.74	47.77	398.80	398.83	0.03	398.83		25.1	
3Q14		7/1/2014	46.85	46.93	399.64	399.72	0.08	399.71		309.3	
4Q14		10/3/2014	46.09	46.17	400.40	400.48	0.08	400.47		127.9	
1Q15	446.69	1/8/2015	46.29	46.49	400.20	400.40	0.20	400.36	403.24 - 383.24 (43.45 - 63.45)	6.1	
2Q15		4/1/2015	48.04	48.07	398.62	398.65	0.03	398.64		20.0	
3Q15		7/9/2015	47.61	47.75	398.94	399.08	0.14	399.05		0.0	
4Q15		10/1/2015	45.28	45.35	401.34	401.41	0.07	401.40		362.0	
1Q16		1/4/2016	45.73	45.79	400.90	400.96	0.06	400.95		7.0	
P-60-11											
2Q13	446.18	4/2/2013	NE	45.72	NA	NA	NA	400.46	413.03 - 383.03 (33.15 - 63.15)	0.0	
3Q13		7/5/2013	NE	43.81	NA	NA	NA	402.37		0.0	
4Q13		10/2/2013	NE	43.43	NA	NA	NA	402.75		0.0	
1Q14		2/13/2014	NE	44.99	NA	NA	NA	401.19		0.0	
2Q14		4/4/2014	NE	45.58	NA	NA	NA	400.60		0.2	
3Q14		7/1/2014	NE	45.74	NA	NA	NA	400.44		1.3	
4Q14		10/3/2014	NE	44.62	NA	NA	NA	401.56		0.0	
1Q15	446.26	1/8/2015	NE	44.85	NA	NA	NA	401.41	413.11 - 383.11 (33.15 - 63.15)	0.0	
2Q15		4/1/2015	NE	46.22	NA	NA	NA	400.04		0.0	
3Q15		7/8/2015	NE	46.16	NA	NA	NA	400.10		0.7	
4Q15		10/1/2015	NE	44.01	NA	NA	NA	402.25		0.0	
1Q16		1/4/2016	NE	44.51	NA	NA	NA	401.75		0.4	
P-60-12											
2Q13	443.31	4/2/2013	NE	43.77	NA	NA	NA	399.54	383.31 - 373.31 (60.00 - 70.00)	0.0	*
3Q13		7/5/2013	NE	41.20	NA	NA	NA	402.11		0.0	*
4Q13		10/2/2013	NE	41.72	NA	NA	NA	401.59		1.1	*
1Q14		2/13/2014	NE	43.45	NA	NA	NA	399.86		72.6	*
2Q14		4/4/2014	NE	44.54	NA	NA	NA	398.77		43.5	*
3Q14		7/1/2014	NE	43.66	NA	NA	NA	399.65		46.2	*
4Q14		10/3/2014	NE	42.93	NA	NA	NA	400.38		0.6	*
1Q15	443.43	1/8/2015	NE	43.16	NA	NA	NA	400.27	383.43 - 373.43 (60.00 - 70.00)	28.1	*
2Q15		4/1/2015	NE	44.83	NA	NA	NA	398.60		86.9	*
3Q15		7/9/2015	NE	45.42	NA	NA	NA	398.01		0.0	*
4Q15		10/1/2015	NE	42.10	NA	NA	NA	401.33		0.0	*
1Q16		1/4/2016	NE	42.58	NA	NA	NA	400.85		0.3	*
P-60-12S											
2Q13	443.33	4/2/2013	NM	NM	NA	NA	NA	NA	429.49 - 419.49 (13.84 - 23.84)	NM	
3Q13		7/5/2013	NE	17.73	NA	NA	NA	425.60		0.0	
4Q13		10/2/2013	NE	19.03	NA	NA	NA	424.30		0.3	
1Q14		2/13/2014	NE	19.02	NA	NA	NA	424.31		0.0	
2Q14		4/4/2014	NE	19.03	NA	NA	NA	424.30		0.5	
3Q14		7/1/2014	NE	18.00	NA	NA	NA	425.33		1.6	
4Q14		10/3/2014	NE	18.95	NA	NA	NA	424.38		0.3	
1Q15	443.43	1/8/2015	NE	20.50	NA	NA	NA	422.93	429.59 - 419.59 (13.84 - 23.84)	1.1	
2Q15		4/1/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
3Q15		7/9/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
4Q15		10/1/2015	NE	NE	NA	NA	NA	NA		0.2	Well Dry
1Q16		1/4/2016	NE	18.44	NA	NA	NA	424.99		0.1	
P-60-13											
2Q13	442.43	4/2/2013	NM	NM	NA	NA	NA	NA	402.43 - 382.43 (40.00 - 60.00)	NM	
3Q13		7/5/2013	NE	40.53	NA	NA	NA	401.90		0.0	
4Q13		10/2/2013	NE	39.98	NA	NA	NA	402.45		0.6	*
1Q14		2/13/2014	NM	NM	NA	NA	NA	NA		NM	
2Q14		4/4/2014	NE	42.81	NA	NA	NA	399.62		0.7	
3Q14		7/1/2014	NE	42.31	NA	NA	NA	400.12		0.0	
4Q14		10/3/2014	NE	40.78	NA	NA	NA	401.65		15.0	
1Q15	442.92	1/8/2015	NE	40.61	NA	NA	NA	402.31	402.92 - 382.92 (40.00 - 60.00)	4.5	
2Q15		4/1/2015	NE	41.22	NA	NA	NA	401.70		0.0	
3Q15		7/9/2015	NE	41.20	NA	NA	NA	401.72		0.0	
4Q15		10/1/2015	NE	40.19	NA	NA	NA	402.73		8.5	
1Q16		1/4/2016	NE	40.65	NA	NA	NA	402.27		2.7	

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-60-13S											
2Q13	442.39	4/2/2013	NM	NM	NA	NA	NA	NA	432.39 - 422.39 (10.00 - 20.00)	NM	
3Q13		7/5/2013	NE	15.66	NA	NA	NA	426.73		8.2	
4Q13		10/2/2013	NE	17.60	NA	NA	NA	424.79		2.8	
1Q14		2/13/2014	NM	NM	NA	NA	NA	NA		NM	
2Q14		4/4/2014	NE	17.16	NA	NA	NA	425.23		0.3	
3Q14		7/1/2014	NE	17.16	NA	NA	NA	425.23		0.0	
4Q14		10/3/2014	NE	17.44	NA	NA	NA	424.95		0.0	
1Q15	442.90	1/8/2015	NE	17.81	NA	NA	NA	425.09	432.90 - 422.90 (10.00 - 20.00)	0.2	
2Q15		4/1/2015	NE	18.80	NA	NA	NA	424.10		0.7	
3Q15		7/9/2015	NE	16.90	NA	NA	NA	426.00		0.0	
4Q15		10/1/2015	NE	18.73	NA	NA	NA	424.17		0.0	
1Q16		1/4/2016	NE	17.18	NA	NA	NA	425.72		0.1	
P-60-S											
2Q13	446.98	4/2/2013	46.33	46.39	400.59	400.65	0.06	400.64	410.50 - 395.50 (36.48 - 51.48)	0.1	
3Q13		7/5/2013	NE	44.45	NA	NA	NA	402.53		0.0	
4Q13		10/2/2013	43.56	44.49	402.49	403.42	0.93	403.23		0.2	
1Q14		2/13/2014	45.48	45.86	401.12	401.50	0.38	401.42		0.3	
2Q14		4/4/2014	46.38	46.57	400.41	400.60	0.19	400.56		0.2	
3Q14		7/1/2014	46.35	46.37	400.61	400.63	0.02	400.63		0.1	
4Q14		10/3/2014	NE	45.38	NA	NA	NA	401.60		0.9	
1Q15	446.84	1/8/2015	45.08	45.70	401.14	401.76	0.62	401.64	410.36 - 395.36 (36.48 - 51.48)	9.1	
2Q15		4/1/2015	46.62	47.07	399.77	400.22	0.45	400.13		0.1	
3Q15		7/9/2015	46.84	46.90	399.94	400.00	0.06	399.99		0.0	
4Q15		10/1/2015	NE	44.76	NA	NA	NA	402.08		0.0	
1Q16		1/4/2016	NE	45.25	NA	NA	NA	401.59		0.1	
P-61											
2Q13	444.27	4/2/2013	44.78	46.64	397.63	399.49	1.86	399.12	398.59 - 373.59 (45.68 - 70.68)	23.1	*
3Q13		7/5/2013	42.52	42.56	401.71	401.75	0.04	401.74		186.4	*
4Q13		10/2/2013	43.08	43.14	401.13	401.19	0.06	401.18		10.9	*
1Q14		2/12/2014	44.62	46.17	398.10	399.65	1.55	399.34		410.7	*
2Q14		4/4/2014	45.80	45.81	398.46	398.47	0.01	398.47		13.0	
3Q14		7/2/2014	44.75	45.49	398.78	399.52	0.74	399.37		150.6	*
4Q14		10/2/2014	43.47	44.23	400.04	400.80	0.76	400.64		269.9	*
1Q15	444.47	1/5/2015	44.62	46.14	398.33	399.85	1.52	399.55	398.80 - 373.80 (45.68 - 70.68)	431.0	*
2Q15		4/1/2015	46.06	48.03	396.44	398.41	1.97	398.02		0.0	
3Q15		7/9/2015	45.99	47.05	397.42	398.48	1.06	398.27		0.1	
4Q15		10/1/2015	43.27	43.93	400.54	401.20	0.66	401.07		20.7	*
1Q16		1/5/2016	43.91	43.95	400.52	400.56	0.04	400.55		1.3	*
P-62											
2Q13	442.32	4/2/2013	42.81	44.32	398.00	399.51	1.51	399.21	400.85 - 375.85 (41.47 - 66.47)	0.0	
3Q13		7/1/2013	40.77	41.88	400.44	401.55	1.11	401.33		32.6	*
4Q13		10/2/2013	40.61	42.26	400.06	401.71	1.65	401.38		62.6	*
1Q14		2/12/2014	42.35	43.85	398.47	399.97	1.50	399.67		198.1	
2Q14		4/4/2014	43.51	45.28	397.04	398.81	1.77	398.46		0.8	
3Q14		7/2/2014	42.58	43.69	398.63	399.74	1.11	399.52		0.0	
4Q14		10/3/2014	41.64	42.89	399.43	400.68	1.25	400.43		0.9	
1Q15	442.43	1/9/2015	42.48	43.96	398.47	399.95	1.48	399.65	400.96 - 375.96 (41.47 - 66.47)	0.4	
2Q15		4/1/2015	43.65	45.18	397.25	398.78	1.53	398.47		0.0	
3Q15		7/8/2015	43.49	44.42	398.01	398.94	0.93	398.75		0.3	
4Q15		10/2/2015	41.17	42.06	400.37	401.26	0.89	401.08		0.2	*
1Q16		1/5/2016	41.40	42.20	400.23	401.03	0.80	400.87		0.0	
P-63											
2Q13	445.75	4/1/2013	NE	46.98	NA	NA	NA	398.77	398.46 - 373.46 (47.29 - 72.29)	0.0	*
3Q13		7/5/2013	NE	45.41	NA	NA	NA	400.34		142.0	*
4Q13		10/2/2013	44.98	45.01	400.74	400.77	0.03	400.76		33.4	*
1Q14		2/12/2014	NE	45.06	NA	NA	NA	400.69		22.9	*
2Q14		4/4/2014	47.98	48.14	397.61	397.77	0.16	397.74		0.3	
3Q14		7/2/2014	46.80	46.82	398.93	398.95	0.02	398.95		47.5	*
4Q14		10/2/2014	45.90	45.94	399.81	399.85	0.04	399.84		70.3	*
1Q15	445.85	1/9/2015	46.23	46.25	399.60	399.62	0.02	399.62	398.56 - 373.56 (47.29 - 72.29)	14.6	*
2Q15		4/1/2015	47.30	47.70	398.15	398.55	0.40	398.47		12.8	
3Q15		7/7/2015	47.18	47.54	398.31	398.67	0.36	398.60		13.8	*
4Q15		10/2/2015	45.26	45.31	400.54	400.59	0.05	400.58		52.8	*
1Q16		1/5/2016	45.06	45.09	400.76	400.79	0.03	400.78		261.3	*
P-64											
2Q13	446.52	4/1/2013	NE	48.23	NA	NA	NA	398.29	399.29 - 374.29 (47.23 - 72.23)	0.0	
3Q13		7/5/2013	46.95	46.97	399.55	399.57	0.02	399.57		96.5	*
4Q13		10/2/2013	46.25	46.31	400.21	400.27	0.06	400.26		41.4	*
1Q14		2/12/2014	47.93	47.94	398.58	398.59	0.01	398.59		114.2	
2Q14		4/4/2014	49.60	49.68	396.84	396.92	0.08	396.90		6.8	
3Q14		7/2/2014	48.08	48.36	398.16	398.44	0.28	398.38		0.0	
4Q14		10/2/2014	47.30	47.62	398.90	399.22	0.32	399.16		336.2	
1Q15	446.89	1/9/2015	47.29	47.51	399.38	399.60	0.22	399.56	399.66 - 374.66 (47.23 - 72.23)	12.6	
2Q15		4/1/2015	48.44	49.20	397.69	398.45	0.76	398.30		79.7	
3Q15		7/7/2015	48.38	48.62	398.27	398.51	0.24	398.46		171.4	
4Q15		10/2/2015	46.50	46.85	400.04	400.39	0.35	400.32		59.2	*
1Q16		1/5/2016	46.39	46.43	400.46	400.50	0.04	400.49		204.5	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-65											
2Q13	444.53	4/1/2013	NM	NM	NA	NA	NA	NA	396.91 - 371.91 (47.62 - 72.62)	NM	Well damaged
3Q13		7/3/2013	NM	NM	NA	NA	NA	NA		NM	Well damaged
4Q13	444.60	10/2/2013	NE	43.11	NA	NA	NA	401.49	397.58 - 372.58 (47.02 - 72.02)	21.2	* Well repaired during 3Q13; Well surveyed during 4Q13
1Q14		2/12/2014	NE	44.91	NA	NA	NA	399.69		2.3	*
2Q14		4/4/2014	NE	46.68	NA	NA	NA	397.92		0.6	*
3Q14		7/2/2014	NE	45.37	NA	NA	NA	399.23		0.0	*
4Q14		10/2/2014	NE	44.44	NA	NA	NA	400.16		16.5	*
1Q15		1/5/2015	NE	44.46	NA	NA	NA	400.14		5.5	*
2Q15		4/3/2015	NE	46.27	NA	NA	NA	398.33		7.6	*
3Q15		7/7/2015	NE	46.08	NA	NA	NA	398.52		2.9	*
4Q15		10/1/2015	43.83	43.84	400.76	400.77	0.01	400.77		35.8	*
1Q16		1/5/2016	NE	43.78	NA	NA	NA	400.82		4.0	*
P-66											
2Q13	436.70	4/2/2013	NE	36.41	NA	NA	NA	400.29	401.98 - 376.98 (34.72 - 59.72)	0.6	
3Q13		7/2/2013	NE	33.55	NA	NA	NA	403.15		3.5	*
4Q13		10/2/2013	NE	33.44	NA	NA	NA	403.26		54.0	*
1Q14		2/11/2014	NE	36.39	NA	NA	NA	400.31		13.1	
2Q14		4/4/2014	NE	36.99	NA	NA	NA	399.71		0.2	
3Q14		7/2/2014	NE	35.80	NA	NA	NA	400.90		0.9	
4Q14		10/3/2014	NE	34.77	NA	NA	NA	401.93		0.4	
1Q15	436.81	1/9/2015	NE	36.73	NA	NA	NA	400.08	402.09 - 377.09 (34.72 - 59.72)	52.6	
2Q15		4/3/2015	NE	38.26	NA	NA	NA	398.55		0.0	
3Q15		7/7/2015	NE	37.34	NA	NA	NA	399.47		0.2	
4Q15		10/2/2015	NE	34.83	NA	NA	NA	401.98		425.0	
1Q16		1/6/2016	NE	34.68	NA	NA	NA	402.13		320.9	*
P-67											
2Q13	444.13	4/2/2013	42.79	42.80	401.33	401.34	0.01	401.34	402.16 - 377.16 (41.98 - 66.98)	46.5	
3Q13		7/2/2013	NE	40.29	NA	NA	NA	403.84		0.0	*
4Q13		10/2/2013	39.78	39.80	404.33	404.35	0.02	404.35		17.3	*
1Q14		2/11/2014	42.60	42.63	401.50	401.53	0.03	401.52		60.9	
2Q14		4/4/2014	NE	43.35	NA	NA	NA	400.78		1.2	
3Q14		7/3/2014	NE	42.39	NA	NA	NA	401.74		1.8	
4Q14		10/3/2014	NE	41.37	NA	NA	NA	402.76		45.9	*
1Q15	444.10	1/9/2015	42.59	42.61	401.49	401.51	0.02	401.51	402.12 - 377.12 (41.98 - 66.98)	23.0	
2Q15		4/3/2015	NE	44.16	NA	NA	NA	399.94		0.1	
3Q15		7/7/2015	NE	43.27	NA	NA	NA	400.83		0.0	
4Q15		10/2/2015	NE	41.09	NA	NA	NA	403.01		30.1	*
1Q16		1/5/2016	NE	41.06	NA	NA	NA	403.04		0.4	*
P-68											
2Q13	445.07	4/2/2013	45.40	45.54	399.53	399.67	0.14	399.64	399.81 - 374.81 (45.26 - 70.26)	74.3	
3Q13		7/5/2013	43.05	43.12	401.95	402.02	0.07	402.01		197.0	*
4Q13		10/2/2013	43.42	43.52	401.55	401.65	0.10	401.63		101.6	*
1Q14		2/13/2014	45.18	45.29	399.78	399.89	0.11	399.87		172.6	*
2Q14		4/7/2014	45.94	46.28	398.79	399.13	0.34	399.06		9.3	
3Q14		7/2/2014	45.27	45.32	399.75	399.80	0.05	399.79		215.5	
4Q14		10/3/2014	44.56	44.67	400.40	400.51	0.11	400.49		254.8	*
1Q15	445.18	1/8/2015	44.80	44.85	400.33	400.38	0.05	400.37	399.92 - 374.92 (45.26 - 70.26)	277.7	*
2Q15		4/1/2015	46.52	46.63	398.55	398.66	0.11	398.64		206.4	
3Q15		7/9/2015	46.33	46.41	398.77	398.85	0.08	398.83		6.9	
4Q15		10/1/2015	43.89	43.96	401.22	401.29	0.07	401.28		246.0	*
1Q16		1/5/2016	44.35	44.40	400.78	400.83	0.05	400.82		70.0	*
P-69											
2Q13	443.18	4/2/2013	NE	43.94	NA	NA	NA	399.24	402.36 - 377.36 (40.82 - 65.82)	0.0	
3Q13		7/5/2013	NE	41.36	NA	NA	NA	401.82		0.0	
4Q13		10/2/2013	NE	42.17	NA	NA	NA	401.01		0.5	
1Q14		2/13/2014	NE	43.85	NA	NA	NA	399.33		79.9	
2Q14		4/7/2014	NE	44.88	NA	NA	NA	398.30		0.2	
3Q14		7/2/2014	NE	44.00	NA	NA	NA	399.18		0.0	
4Q14		10/2/2014	NE	43.01	NA	NA	NA	400.17		0.0	
1Q15	443.40	1/9/2015	NE	44.05	NA	NA	NA	399.35	402.58 - 377.58 (40.82 - 65.82)	0.9	
2Q15		4/3/2015	NE	45.51	NA	NA	NA	397.89		0.0	
3Q15		7/9/2015	NE	45.08	NA	NA	NA	398.32		0.1	
4Q15		10/1/2015	NE	42.51	NA	NA	NA	400.89		2.2	
1Q16		1/6/2016	NM	NM	NA	NA	NA	NA		NM	Unsafe condition
P-70											
2Q13	442.83	4/2/2013	NE	43.59	NA	NA	NA	399.24	398.16 - 373.16 (44.67 - 69.67)	211.0	*
3Q13		7/5/2013	NE	41.06	NA	NA	NA	401.77		134.2	*
4Q13		10/2/2013	NE	41.52	NA	NA	NA	401.31		99.1	*
1Q14		2/12/2014	NE	43.28	NA	NA	NA	399.55		85.0	*
2Q14		4/4/2014	44.21	45.35	397.48	398.62	1.14	398.39		200.7	*
3Q14		7/2/2014	43.22	43.88	398.95	399.61	0.66	399.48		319.6	*
4Q14		10/2/2014	42.08	42.72	400.11	400.75	0.64	400.62		299.6	*
1Q15	442.95	1/8/2015	42.79	43.42	399.53	400.16	0.63	400.03	398.28 - 373.28 (44.67 - 69.67)	208.3	*
2Q15		4/1/2015	44.42	45.77	397.18	398.53	1.35	398.26		180.4	
3Q15		7/7/2015	44.34	44.95	398.00	398.61	0.61	398.49		270.4	*
4Q15		10/1/2015	41.70	42.35	400.60	401.25	0.65	401.12		315.2	*
1Q16		1/5/2016	42.22	42.47	400.48	400.73	0.25	400.68		170.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-71											
2Q13	444.83	4/2/2013	NE	44.54	NA	NA	NA	400.29	402.22 - 377.22 (42.61 - 67.61)	1.2	
3Q13		7/5/2013	NE	42.65	NA	NA	NA	402.18		82.5	
4Q13		10/2/2013	NE	42.53	NA	NA	NA	402.30		53.0	*
1Q14		2/13/2014	NE	44.35	NA	NA	NA	400.48		0.0	
2Q14		4/4/2014	NE	45.48	NA	NA	NA	399.35		0.8	
3Q14		7/3/2014	NE	44.61	NA	NA	NA	400.22		3.9	
4Q14		10/2/2014	NE	43.43	NA	NA	NA	401.40		185.5	
1Q15	444.94	1/5/2015	NE	43.98	NA	NA	NA	400.96	402.33 - 377.33 (42.61 - 67.61)	72.6	*
2Q15		4/1/2015	NE	45.83	NA	NA	NA	399.11		0.4	
3Q15		7/7/2015	NE	45.02	NA	NA	NA	399.92		0.0	Gauging results anomalous
4Q15		10/1/2015	NE	43.59	NA	NA	NA	401.35		2.5	
1Q16		1/6/2016	NE	43.06	NA	NA	NA	401.88		68.2	
P-72											
2Q13	444.43	4/1/2013	NE	44.23	NA	NA	NA	400.20	398.66 - 373.66 (45.77 - 70.77)	0.3	*
3Q13		7/5/2013	NE	42.36	NA	NA	NA	402.07		2.0	*
4Q13		10/2/2013	NE	41.88	NA	NA	NA	402.55		2.7	*
1Q14		2/12/2014	NE	43.86	NA	NA	NA	400.57		37.2	*
2Q14		4/4/2014	NE	45.12	NA	NA	NA	399.31		2.2	*
3Q14		7/2/2014	NE	44.19	NA	NA	NA	400.24		6.5	*
4Q14		10/2/2014	NE	43.02	NA	NA	NA	401.41		16.2	*
1Q15	444.49	1/8/2015	NE	43.63	NA	NA	NA	400.86	398.72 - 373.72 (45.77 - 70.77)	23.1	*
2Q15		4/1/2015	NE	45.72	NA	NA	NA	398.77		12.8	*
3Q15		7/7/2015	NE	45.56	NA	NA	NA	398.93		1.6	*
4Q15		10/1/2015	43.11	43.12	401.37	401.38	0.01	401.38		3.8	*
1Q16		1/6/2016	NE	42.67	NA	NA	NA	401.82		16.5	*
P-73											
2Q13	443.76	4/1/2013	NE	43.93	NA	NA	NA	399.83	402.16 - 377.16 (41.59 - 66.59)	0.0	
3Q13		7/5/2013	NE	41.48	NA	NA	NA	402.28		18.3	*
4Q13		10/2/2013	NE	41.68	NA	NA	NA	402.08		50.3	
1Q14		2/12/2014	NE	43.98	NA	NA	NA	399.78		70.1	
2Q14		4/7/2014	NE	44.82	NA	NA	NA	398.94		0.4	
3Q14		7/2/2014	NE	43.54	NA	NA	NA	400.22		0.0	
4Q14		10/3/2014	NE	42.69	NA	NA	NA	401.07		0.7	
1Q15	443.86	1/5/2015	NE	45.24	NA	NA	NA	398.62	402.27 - 377.27 (41.59 - 66.59)	8.0	
2Q15		4/3/2015	NE	46.59	NA	NA	NA	397.27		0.0	
3Q15		7/9/2015	NE	46.16	NA	NA	NA	397.70		0.1	
4Q15		10/1/2015	NE	43.05	NA	NA	NA	400.81		0.4	
1Q16		1/6/2016	NE	42.55	NA	NA	NA	401.31		0.0	
P-74											
2Q13	442.63	4/2/2013	NE	43.23	NA	NA	NA	399.40	398.20 - 373.20 (44.43 - 69.43)	0.0	*
3Q13		7/5/2013	NE	40.55	NA	NA	NA	402.08		0.0	*
4Q13		10/2/2013	NE	41.49	NA	NA	NA	401.14		0.5	*
1Q14		1/14/2014	NE	43.18	NA	NA	NA	399.45		2.8	*
2Q14		4/7/2014	NE	43.86	NA	NA	NA	398.77		7.5	*
3Q14		7/2/2014	NE	43.25	NA	NA	NA	399.38		0.1	*
4Q14		10/2/2014	NE	42.21	NA	NA	NA	400.42		0.0	*
1Q15	442.72	1/9/2015	NE	43.63	NA	NA	NA	399.09	398.29 - 373.29 (44.43 - 69.43)	0.1	*
2Q15		4/3/2015	NE	44.85	NA	NA	NA	397.87		0.0	
3Q15		7/9/2015	NE	48.03	NA	NA	NA	394.69		0.1	Gauging results anomalous
4Q15		10/1/2015	NE	41.79	NA	NA	NA	400.93		0.0	*
1Q16		1/6/2016	NE	40.80	NA	NA	NA	401.92		0.4	*
P-75											
2Q13	446.32	4/2/2013	NE	46.03	NA	NA	NA	400.29	403.19 - 378.19 (43.13 - 68.13)	0.7	
3Q13		7/2/2013	NE	43.43	NA	NA	NA	402.89		0.0	
4Q13		10/2/2013	NE	42.92	NA	NA	NA	403.40		3.7	*
1Q14		2/11/2014	NE	46.05	NA	NA	NA	400.27		4.1	
2Q14		4/4/2014	NE	46.69	NA	NA	NA	399.63		0.3	
3Q14		7/3/2014	NE	45.59	NA	NA	NA	400.73		0.0	
4Q14		10/3/2014	NE	44.52	NA	NA	NA	401.80		0.1	
1Q15	446.42	1/9/2015	NE	46.74	NA	NA	NA	399.68	403.29 - 378.29 (43.13 - 68.13)	0.1	
2Q15		4/3/2015	48.23	48.25	398.17	398.19	0.02	398.19		0.0	
3Q15		7/7/2015	NE	47.44	NA	NA	NA	398.98		0.0	
4Q15		10/2/2015	NE	44.74	NA	NA	NA	401.68		0.0	
1Q16		1/5/2016	NE	44.70	NA	NA	NA	401.72		1.0	
P-82A											
2Q13	434.69	4/2/2013	NE	30.77	NA	NA	NA	403.92	401.48 - 386.48 (33.21 - 48.21)	0.2	*
3Q13		7/2/2013	NE	27.75	NA	NA	NA	406.94		0.0	*
4Q13		10/2/2013	NE	28.20	NA	NA	NA	406.49		0.0	*
1Q14		2/10/2014	NE	30.47	NA	NA	NA	404.22		8.9	*
2Q14		4/4/2014	NE	32.21	NA	NA	NA	402.48		0.0	*
3Q14		7/2/2014	NE	30.08	NA	NA	NA	404.61		0.6	*
4Q14		10/2/2014	NE	29.25	NA	NA	NA	405.44		0.0	*
1Q15	435.02	1/8/2015	NE	29.59	NA	NA	NA	405.43	401.81 - 386.81 (33.21 - 48.21)	0.1	*
2Q15		4/3/2015	NE	30.99	NA	NA	NA	404.03		0.0	*
3Q15		7/6/2015	NE	29.31	NA	NA	NA	405.71		0.3	*
4Q15		10/2/2015	NE	28.65	NA	NA	NA	406.37		0.2	*
1Q16		1/5/2016	NE	27.72	NA	NA	NA	407.30		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-82B											
2Q13	434.44	4/2/2013	NE	30.50	NA	NA	NA	403.94	370.84 - 368.84 (63.60 - 65.60)	0.4	*
3Q13		7/2/2013	NE	27.49	NA	NA	NA	406.95		0.0	*
4Q13		10/2/2013	NE	27.94	NA	NA	NA	406.50		0.0	*
1Q14		2/10/2014	NE	30.20	NA	NA	NA	404.24		0.3	*
2Q14		4/4/2014	NE	32.93	NA	NA	NA	401.51		0.0	*
3Q14		7/2/2014	NE	29.79	NA	NA	NA	404.65		0.7	*
4Q14		10/2/2014	NE	28.94	NA	NA	NA	405.50		0.0	*
1Q15	434.48	1/8/2015	NE	29.32	NA	NA	NA	405.16	370.88 - 368.88 (63.60 - 65.60)	0.2	*
2Q15		4/3/2015	NE	30.73	NA	NA	NA	403.75		0.0	*
3Q15		7/6/2015	NE	29.60	NA	NA	NA	404.88		0.2	*
4Q15		10/2/2015	NE	28.40	NA	NA	NA	406.08		0.3	*
1Q16		1/5/2016	NE	27.41	NA	NA	NA	407.07		0.0	*
P-82C											
2Q13	434.16	4/2/2013	NE	30.54	NA	NA	NA	403.62	351.39 - 349.39 (82.77 - 84.77)	0.8	*
3Q13		7/2/2013	NE	27.51	NA	NA	NA	406.65		0.0	*
4Q13		10/2/2013	NE	27.95	NA	NA	NA	406.21		0.0	*
1Q14		2/10/2014	NE	30.23	NA	NA	NA	403.93		0.2	*
2Q14		4/4/2014	NE	28.42	NA	NA	NA	405.74		0.1	*
3Q14		7/2/2014	NE	29.65	NA	NA	NA	404.51		0.7	*
4Q14		10/2/2014	NE	29.09	NA	NA	NA	405.07		0.0	*
1Q15	434.21	1/8/2015	NE	29.02	NA	NA	NA	405.19	351.44 - 349.44 (82.77 - 84.77)	0.2	*
2Q15		4/3/2015	NE	30.44	NA	NA	NA	403.77		0.4	*
3Q15		7/6/2015	NE	29.32	NA	NA	NA	404.89		0.2	*
4Q15		10/2/2015	NE	27.93	NA	NA	NA	406.28		0.1	*
1Q16		1/5/2016	NE	27.42	NA	NA	NA	406.79		0.0	*
P-82D											
2Q13	434.85	4/2/2013	NE	31.31	NA	NA	NA	403.54	323.43 - 321.43 (111.42 - 113.42)	0.2	*
3Q13		7/2/2013	NE	28.24	NA	NA	NA	406.61		0.0	*
4Q13		10/2/2013	NE	28.74	NA	NA	NA	406.11		0.0	*
1Q14		2/10/2014	NE	31.00	NA	NA	NA	403.85		14.5	*
2Q14		4/4/2014	NE	35.40	NA	NA	NA	399.45		0.2	*
3Q14		7/2/2014	NE	30.61	NA	NA	NA	404.24		0.4	*
4Q14		10/2/2014	NE	29.74	NA	NA	NA	405.11		0.0	*
1Q15	434.89	1/6/2015	NE	29.80	NA	NA	NA	405.09	323.47 - 321.47 (111.42 - 113.42)	0.1	*
2Q15		4/3/2015	NE	31.24	NA	NA	NA	403.65		0.4	*
3Q15		7/6/2015	NE	30.02	NA	NA	NA	404.87		0.2	*
4Q15		10/2/2015	NE	28.69	NA	NA	NA	406.20		0.3	*
1Q16		1/5/2016	NE	28.14	NA	NA	NA	406.75		0.0	*
P-83A											
2Q13	445.23	4/2/2013	NE	44.75	NA	NA	NA	400.48	398.58 - 383.58 (46.65 - 61.65)	0.0	*
3Q13		7/3/2013	NE	43.44	NA	NA	NA	401.79		0.0	*
4Q13		10/1/2013	NE	43.55	NA	NA	NA	401.68		0.2	*
1Q14		2/11/2014	NE	44.72	NA	NA	NA	400.51		0.6	*
2Q14		4/1/2014	NE	45.74	NA	NA	NA	399.49		0.0	*
3Q14		7/1/2014	NE	45.12	NA	NA	NA	400.11		0.0	*
4Q14		10/1/2014	NE	44.60	NA	NA	NA	400.63		0.0	*
1Q15	445.36	1/6/2015	NE	44.80	NA	NA	NA	400.56	398.71 - 383.71 (46.65 - 61.65)	0.0	*
2Q15		4/6/2015	NE	45.02	NA	NA	NA	400.34		0.1	*
3Q15		7/6/2015	NE	44.22	NA	NA	NA	401.14		0.7	*
4Q15		10/1/2015	NE	43.33	NA	NA	NA	402.03		0.1	*
1Q16		1/5/2016	NE	42.50	NA	NA	NA	402.86		0.1	*
P-83B											
2Q13	445.47	4/2/2013	NE	44.99	NA	NA	NA	400.48	375.82 - 373.82 (69.65 - 71.65)	0.0	*
3Q13		7/3/2013	NE	43.71	NA	NA	NA	401.76		0.0	*
4Q13		10/1/2013	NE	43.80	NA	NA	NA	401.67		0.2	*
1Q14		2/11/2014	NE	44.97	NA	NA	NA	400.50		0.3	*
2Q14		4/1/2014	NE	46.01	NA	NA	NA	399.46		0.0	*
3Q14		7/1/2014	NE	45.39	NA	NA	NA	400.08		0.0	*
4Q14		10/1/2014	NE	44.87	NA	NA	NA	400.60		0.0	*
1Q15	445.55	1/6/2015	NE	44.94	NA	NA	NA	400.61	375.90 - 373.90 (69.65 - 71.65)	0.0	*
2Q15		4/6/2015	NE	45.43	NA	NA	NA	400.12		0.1	*
3Q15		7/6/2015	NE	44.48	NA	NA	NA	401.07		2.7	*
4Q15		10/1/2015	NE	43.58	NA	NA	NA	401.97		0.0	*
1Q16		1/5/2016	NE	42.81	NA	NA	NA	402.74		0.0	*
P-83C											
2Q13	445.64	4/2/2013	NE	45.41	NA	NA	NA	400.23	353.25 - 351.25 (92.39 - 94.39)	0.0	*
3Q13		7/3/2013	NE	44.17	NA	NA	NA	401.47		0.0	*
4Q13		10/1/2013	NE	44.27	NA	NA	NA	401.37		0.6	*
1Q14		2/11/2014	NE	45.43	NA	NA	NA	400.21		13.7	*
2Q14		4/1/2014	NE	46.40	NA	NA	NA	399.24		0.0	*
3Q14		7/1/2014	NE	45.84	NA	NA	NA	399.80		0.0	*
4Q14		10/1/2014	NE	45.00	NA	NA	NA	400.64		0.4	*
1Q15	445.78	1/6/2015	NE	45.53	NA	NA	NA	400.25	353.39 - 351.39 (92.39 - 94.39)	0.0	*
2Q15		4/6/2015	NE	45.42	NA	NA	NA	400.36		0.1	*
3Q15		7/6/2015	NE	44.93	NA	NA	NA	400.85		0.6	*
4Q15		10/1/2015	NE	43.70	NA	NA	NA	402.08		0.5	*
1Q16		1/5/2016	NE	42.93	NA	NA	NA	402.85		0.1	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-83D											
2Q13	445.55	4/2/2013	NE	45.38	NA	NA	NA	400.17	311.84 - 309.84 (133.71 - 135.71)	0.0	*
3Q13		7/3/2013	NE	44.12	NA	NA	NA	401.43		0.0	*
4Q13		10/1/2013	NE	44.21	NA	NA	NA	401.34		0.1	*
1Q14		2/11/2014	NE	45.40	NA	NA	NA	400.15		0.4	*
2Q14		4/1/2014	NE	46.36	NA	NA	NA	399.19		0.0	*
3Q14		7/1/2014	NE	45.79	NA	NA	NA	399.76		0.0	*
4Q14		10/1/2014	NE	45.05	NA	NA	NA	400.50		0.1	*
1Q15	445.70	1/6/2015	NE	45.32	NA	NA	NA	400.38	311.99 - 309.99 (133.71 - 135.71)	0.0	*
2Q15		4/6/2015	NE	45.38	NA	NA	NA	400.32		0.1	*
3Q15		7/6/2015	NE	44.88	NA	NA	NA	400.82		4.0	*
4Q15		10/1/2015	NE	43.66	NA	NA	NA	402.04		0.1	*
1Q16		1/5/2016	NE	42.91	NA	NA	NA	402.79		0.0	*
P-84A											
2Q13	446.39	4/3/2013	NE	45.51	NA	NA	NA	400.88	397.89 - 382.89 (48.50 - 63.50)	0.0	*
3Q13		7/5/2013	NE	43.85	NA	NA	NA	402.54		0.0	*
4Q13		10/4/2013	NE	43.56	NA	NA	NA	402.83		0.2	*
1Q14		2/13/2014	NE	44.73	NA	NA	NA	401.66		0.0	*
2Q14		4/4/2014	NE	46.73	NA	NA	NA	399.66		0.3	*
3Q14		7/3/2014	NE	45.55	NA	NA	NA	400.84		0.0	*
4Q14		10/3/2014	NE	44.95	NA	NA	NA	401.44		0.0	*
1Q15	446.49	1/12/2015	NE	44.96	NA	NA	NA	401.53	397.99 - 382.99 (48.50 - 63.50)	0.0	*
2Q15		4/6/2015	NE	45.65	NA	NA	NA	400.84		0.2	*
3Q15		7/7/2015	NE	45.11	NA	NA	NA	401.38		0.0	*
4Q15		10/1/2015	NE	43.91	NA	NA	NA	402.58		0.0	*
1Q16		1/5/2016	NE	43.45	NA	NA	NA	403.04		0.0	*
P-84B											
2Q13	446.10	4/3/2013	NE	45.24	NA	NA	NA	400.86	372.60 - 370.60 (73.50 - 75.50)	0.0	*
3Q13		7/5/2013	NE	43.59	NA	NA	NA	402.51		0.0	*
4Q13		10/4/2013	NE	43.30	NA	NA	NA	402.80		0.0	*
1Q14		2/13/2014	NE	44.33	NA	NA	NA	401.77		0.0	*
2Q14		4/4/2014	NE	46.45	NA	NA	NA	399.65		0.0	*
3Q14		7/3/2014	NE	45.31	NA	NA	NA	400.79		0.0	*
4Q14		10/3/2014	NE	44.73	NA	NA	NA	401.37		0.0	*
1Q15	446.21	1/12/2015	NE	44.68	NA	NA	NA	401.53	372.71 - 370.71 (73.50 - 75.50)	0.0	*
2Q15		4/6/2015	NE	45.38	NA	NA	NA	400.83		0.5	*
3Q15		7/7/2015	NE	44.90	NA	NA	NA	401.31		0.0	*
4Q15		10/1/2015	NE	43.66	NA	NA	NA	402.55		0.0	*
1Q16		1/5/2016	NE	43.18	NA	NA	NA	403.03		0.6	*
P-84C											
2Q13	446.13	4/3/2013	NE	45.52	NA	NA	NA	400.61	352.08 - 350.08 (94.05 - 96.05)	0.0	*
3Q13		7/5/2013	NE	43.85	NA	NA	NA	402.28		0.0	*
4Q13		10/4/2013	NE	43.62	NA	NA	NA	402.51		0.0	*
1Q14		2/13/2014	NE	44.80	NA	NA	NA	401.33		0.0	*
2Q14		4/4/2014	NE	49.46	NA	NA	NA	396.67		0.7	*
3Q14		7/3/2014	NE	45.63	NA	NA	NA	400.50		0.0	*
4Q14		10/3/2014	NE	45.03	NA	NA	NA	401.10		1.1	*
1Q15	446.22	1/12/2015	NE	44.69	NA	NA	NA	401.53	352.17 - 350.17 (94.05 - 96.05)	0.0	*
2Q15		4/6/2015	NE	45.38	NA	NA	NA	400.84		0.2	*
3Q15		7/7/2015	NE	44.93	NA	NA	NA	401.29		0.0	*
4Q15		10/1/2015	NE	43.99	NA	NA	NA	402.23		0.0	*
1Q16		1/5/2016	NE	43.49	NA	NA	NA	402.73		0.0	*
P-84D											
2Q13	446.14	4/3/2013	NE	45.52	NA	NA	NA	400.62	324.99 - 322.99 (121.15 - 123.15)	0.0	*
3Q13		7/5/2013	NE	44.00	NA	NA	NA	402.14		0.0	*
4Q13		10/4/2013	NE	43.62	NA	NA	NA	402.52		0.0	*
1Q14		2/13/2014	NE	44.80	NA	NA	NA	401.34		0.0	*
2Q14		4/4/2014	NE	49.46	NA	NA	NA	396.68		0.0	*
3Q14		7/3/2014	NE	45.62	NA	NA	NA	400.52		0.0	*
4Q14		10/3/2014	NE	45.02	NA	NA	NA	401.12		0.0	*
1Q15	446.24	1/12/2015	NE	44.70	NA	NA	NA	401.54	325.09 - 323.09 (121.15 - 123.15)	0.0	*
2Q15		4/6/2015	NE	45.38	NA	NA	NA	400.86		0.2	*
3Q15		7/7/2015	NE	44.92	NA	NA	NA	401.32		0.0	*
4Q15		10/1/2015	NE	43.97	NA	NA	NA	402.27		0.0	*
1Q16		1/5/2016	NE	43.51	NA	NA	NA	402.73		0.6	*
P-88A											
2Q13	443.12	4/2/2013	NE	36.74	NA	NA	NA	406.38	404.72 - 389.72 (38.40 - 53.40)	0.0	*
3Q13		7/2/2013	NE	35.05	NA	NA	NA	408.07		0.0	*
4Q13		10/2/2013	NE	34.33	NA	NA	NA	408.79		0.0	*
1Q14		2/11/2014	NE	36.13	NA	NA	NA	406.99		0.2	*
2Q14		4/4/2014	NE	37.98	NA	NA	NA	405.14		0.1	*
3Q14		7/3/2014	NE	36.62	NA	NA	NA	406.50		0.0	*
4Q14		10/3/2014	NE	36.04	NA	NA	NA	407.08		0.1	*
1Q15	443.09	1/9/2015	NE	35.54	NA	NA	NA	407.55	404.69 - 389.69 (38.40 - 53.40)	0.0	*
2Q15		4/3/2015	NE	36.41	NA	NA	NA	406.68		0.0	*
3Q15		7/7/2015	NE	35.93	NA	NA	NA	407.16		0.0	*
4Q15		10/2/2015	NE	34.26	NA	NA	NA	408.83		0.2	*
1Q16		1/5/2016	NE	34.35	NA	NA	NA	408.74		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-88B											
2Q13	443.17	4/2/2013	NE	36.79	NA	NA	NA	406.38	371.17 - 369.17 (72.00 - 74.00)	0.0	*
3Q13		7/2/2013	NE	35.15	NA	NA	NA	408.02		0.0	*
4Q13		10/2/2013	NE	34.33	NA	NA	NA	408.84		0.0	*
1Q14		2/11/2014	NE	36.19	NA	NA	NA	406.98		0.3	*
2Q14		4/4/2014	NE	38.04	NA	NA	NA	405.13		0.5	*
3Q14		7/3/2014	NE	36.58	NA	NA	NA	406.59		0.0	*
4Q14		10/3/2014	NE	36.09	NA	NA	NA	407.08		0.1	*
1Q15	443.16	1/9/2015	NE	35.61	NA	NA	NA	407.55	371.16 - 369.16 (72.00 - 74.00)	0.0	*
2Q15		4/3/2015	NE	36.48	NA	NA	NA	406.68		0.0	*
3Q15		7/7/2015	NE	35.94	NA	NA	NA	407.22		0.0	*
4Q15		10/2/2015	NE	34.50	NA	NA	NA	408.66		0.4	*
1Q16		1/5/2016	NE	34.41	NA	NA	NA	408.75		0.0	*
P-88C											
2Q13	443.16	4/2/2013	NE	37.07	NA	NA	NA	406.09	350.86 - 348.86 (92.30 - 94.30)	0.5	*
3Q13		7/2/2013	NE	35.44	NA	NA	NA	407.72		0.0	*
4Q13		10/2/2013	NE	34.61	NA	NA	NA	408.55		0.0	*
1Q14		2/11/2014	NE	36.45	NA	NA	NA	406.71		0.2	*
2Q14		4/4/2014	NE	41.00	NA	NA	NA	402.16		0.2	*
3Q14		7/3/2014	NE	36.87	NA	NA	NA	406.29		0.0	*
4Q14		10/3/2014	NE	35.74	NA	NA	NA	407.42		0.3	*
1Q15	443.13	1/9/2015	NE	35.59	NA	NA	NA	407.54	350.83 - 348.83 (92.30 - 94.30)	0.0	*
2Q15		4/3/2015	NE	36.42	NA	NA	NA	406.71		3.2	*
3Q15		7/7/2015	NE	36.21	NA	NA	NA	406.92		0.0	*
4Q15		10/2/2015	NE	34.28	NA	NA	NA	408.85		2.7	*
1Q16		1/5/2016	NE	34.39	NA	NA	NA	408.74		0.0	*
P-88D											
2Q13	443.23	4/2/2013	NE	37.21	NA	NA	NA	406.02	329.53 - 327.53 (113.70 - 115.70)	1.6	*
3Q13		7/2/2013	NE	35.51	NA	NA	NA	407.72		0.0	*
4Q13		10/2/2013	NE	34.72	NA	NA	NA	408.51		0.0	*
1Q14		2/11/2014	NE	36.59	NA	NA	NA	406.64		1.7	*
2Q14		4/4/2014	NE	41.45	NA	NA	NA	401.78		0.1	*
3Q14		7/3/2014	NE	36.95	NA	NA	NA	406.28		0.6	*
4Q14		10/3/2014	NE	36.43	NA	NA	NA	406.80		0.0	*
1Q15	443.20	1/9/2015	NE	35.78	NA	NA	NA	407.42	329.50 - 327.50 (113.70 - 115.70)	0.0	*
2Q15		4/3/2015	NE	36.57	NA	NA	NA	406.63		0.0	*
3Q15		7/7/2015	NE	36.30	NA	NA	NA	406.90		0.0	*
4Q15		10/2/2015	NE	34.85	NA	NA	NA	408.35		1.4	*
1Q16		1/5/2016	NE	34.61	NA	NA	NA	408.59		0.2	*
T-37											
2Q13	447.15	4/1/2013	NE	43.79	NA	NA	NA	403.36	398.30 - 378.30 (48.85 - 68.85)	0.0	*
3Q13		7/3/2013	NE	42.66	NA	NA	NA	404.49		0.0	*
4Q13		10/1/2013	NE	42.51	NA	NA	NA	404.64		0.1	*
1Q14		2/12/2014	NE	44.08	NA	NA	NA	403.07		4.1	*
2Q14		4/1/2014	NE	44.91	NA	NA	NA	402.24		0.0	*
3Q14		7/1/2014	NE	44.44	NA	NA	NA	402.71		0.0	*
4Q14		10/2/2014	NE	44.03	NA	NA	NA	403.12		17.4	*
1Q15	447.25	1/9/2015	NE	43.17	NA	NA	NA	404.08	398.40 - 378.40 (48.85 - 68.85)	1.4	*
2Q15		4/3/2015	NE	43.93	NA	NA	NA	403.32		0.0	*
3Q15		7/7/2015	NE	43.21	NA	NA	NA	404.04		0.0	*
4Q15		10/1/2015	NE	42.03	NA	NA	NA	405.22		0.0	*
1Q16		1/5/2016	NE	42.01	NA	NA	NA	405.24		0.1	*
P-89B											
2Q13	447.35	4/1/2013	NE	43.96	NA	NA	NA	403.39	369.99 - 367.99 (77.36 - 79.36)	0.0	*
3Q13		7/3/2013	NE	42.83	NA	NA	NA	404.52		0.0	*
4Q13		10/1/2013	NE	42.67	NA	NA	NA	404.68		25.2	*
1Q14		2/12/2014	NE	44.24	NA	NA	NA	403.11		0.2	*
2Q14		4/1/2014	NE	45.09	NA	NA	NA	402.26		0.0	*
3Q14		7/1/2014	NE	44.59	NA	NA	NA	402.76		0.0	*
4Q14		10/2/2014	NE	44.19	NA	NA	NA	403.16		0.0	*
1Q15	447.44	1/9/2015	NE	43.31	NA	NA	NA	404.13	370.08 - 368.08 (77.36 - 79.36)	0.0	*
2Q15		4/3/2015	NE	44.10	NA	NA	NA	403.34		0.0	*
3Q15		7/7/2015	NE	43.36	NA	NA	NA	404.08		0.0	*
4Q15		10/1/2015	NE	42.17	NA	NA	NA	405.27		0.0	*
1Q16		1/5/2016	NE	42.16	NA	NA	NA	405.28		0.0	*
P-89C											
2Q13	447.68	4/2/2013	NE	44.28	NA	NA	NA	403.40	350.05 - 348.05 (97.63 - 99.63)	1.7	*
3Q13		7/3/2013	NE	43.20	NA	NA	NA	404.48		2.3	*
4Q13		10/1/2013	NE	43.02	NA	NA	NA	404.66		0.1	*
1Q14		2/12/2014	NE	44.58	NA	NA	NA	403.10		186.4	*
2Q14		4/1/2014	NE	45.47	NA	NA	NA	402.21		0.0	*
3Q14		7/1/2014	NE	44.94	NA	NA	NA	402.74		0.0	*
4Q14		10/2/2014	NE	44.53	NA	NA	NA	403.15		0.0	*
1Q15	447.76	1/9/2015	NE	43.68	NA	NA	NA	404.08	350.13 - 348.13 (97.63 - 99.63)	0.7	*
2Q15		4/3/2015	NE	44.45	NA	NA	NA	403.31		0.0	*
3Q15		7/7/2015	NE	43.73	NA	NA	NA	404.03		0.0	*
4Q15		10/1/2015	NE	42.54	NA	NA	NA	405.22		0.1	*
1Q16		1/5/2016	NE	42.52	NA	NA	NA	405.24		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-89D											
2Q13	447.54	4/1/2013	NE	44.20	NA	NA	NA	403.34	307.20 - 305.20 (140.34 - 142.34)	0.0	*
3Q13		7/3/2013	NE	43.20	NA	NA	NA	404.34		0.0	*
4Q13		10/1/2013	NE	43.01	NA	NA	NA	404.53		0.2	*
1Q14		2/12/2014	NE	44.68	NA	NA	NA	402.86		7.4	*
2Q14		4/1/2014	NE	45.45	NA	NA	NA	402.09		0.0	*
3Q14		7/1/2014	NE	44.92	NA	NA	NA	402.62		0.0	*
4Q14		10/2/2014	NE	44.55	NA	NA	NA	402.99		0.0	*
1Q15	447.63	1/9/2015	NE	43.67	NA	NA	NA	403.96	307.29 - 305.29 (140.34 - 142.34)	0.0	*
2Q15		4/3/2015	NE	44.32	NA	NA	NA	403.31		0.0	*
3Q15		7/7/2015	NE	43.73	NA	NA	NA	403.90		0.0	*
4Q15		10/1/2015	NE	42.56	NA	NA	NA	405.07		0.1	*
1Q16		1/5/2016	NE	42.56	NA	NA	NA	405.07		0.0	*
P-91A											
2Q13	447.19	4/1/2013	NE	49.58	NA	NA	NA	397.61	395.68 - 380.68 (51.51 - 66.51)	0.4	*
3Q13		7/3/2013	NE	48.64	NA	NA	NA	398.55		182.3	*
4Q13		10/2/2013	NE	47.88	NA	NA	NA	399.31		14.8	*
1Q14		2/12/2014	48.21	54.71	392.48	398.98	6.50	397.68		178.7	*
2Q14		4/4/2014	50.20	55.10	392.09	396.99	4.90	396.01		15.9	*
3Q14		7/2/2014	48.74	52.68	394.51	398.45	3.94	397.66		295.2	*
4Q14		10/2/2014	48.10	51.99	395.20	399.09	3.89	398.31		22.9	*
1Q15	447.24	1/9/2015	47.98	51.84	395.40	399.26	3.86	398.49	395.72 - 380.72 (51.51 - 66.51)	15.0	*
2Q15		4/3/2015	50.02	50.12	397.12	397.22	0.10	397.20		45.5	*
3Q15		7/7/2015	49.55	49.59	397.65	397.69	0.04	397.68		17.6	*
4Q15		10/2/2015	47.95	47.97	399.27	399.29	0.02	399.29		28.2	*
1Q16		1/5/2016	47.78	47.82	399.42	399.46	0.04	399.45		42.3	*
P-91B											
2Q13	447.26	4/1/2013	NE	49.70	NA	NA	NA	397.56	372.57 - 370.57 (74.69 - 76.69)	0.0	*
3Q13		7/3/2013	NE	48.72	NA	NA	NA	398.54		2.5	*
4Q13		10/2/2013	NE	48.04	NA	NA	NA	399.22		0.0	*
1Q14		2/12/2014	NE	49.61	NA	NA	NA	397.65		9.5	*
2Q14		4/4/2014	NE	51.19	NA	NA	NA	396.07		0.4	*
3Q14		7/2/2014	NE	49.64	NA	NA	NA	397.62		17.5	*
4Q14		10/2/2014	NE	48.96	NA	NA	NA	398.30		29.1	*
1Q15	447.28	1/9/2015	NE	48.86	NA	NA	NA	398.42	372.59 - 370.59 (74.69 - 76.69)	1.9	*
2Q15		4/3/2015	NE	50.08	NA	NA	NA	397.20		2.1	*
3Q15		7/7/2015	NE	49.62	NA	NA	NA	397.66		2.2	*
4Q15		10/2/2015	NE	48.03	NA	NA	NA	399.25		10.1	*
1Q16		1/5/2016	NE	47.88	NA	NA	NA	399.40		21.9	*
P-91C											
2Q13	447.02	4/2/2013	NE	49.40	NA	NA	NA	397.62	352.29 - 350.29 (94.73 - 96.73)	0.2	*
3Q13		7/3/2013	NE	48.46	NA	NA	NA	398.56		0.0	*
4Q13		10/2/2013	NE	47.77	NA	NA	NA	399.25		0.6	*
1Q14		2/12/2014	NE	49.36	NA	NA	NA	397.66		2.7	*
2Q14		4/4/2014	NE	51.00	NA	NA	NA	396.02		0.2	*
3Q14		7/2/2014	NE	49.39	NA	NA	NA	397.63		0.3	*
4Q14		10/2/2014	NE	48.71	NA	NA	NA	398.31		0.1	*
1Q15	447.07	1/9/2015	NE	48.61	NA	NA	NA	398.46	352.34 - 350.34 (94.73 - 96.73)	0.1	*
2Q15		4/3/2015	NE	49.88	NA	NA	NA	397.19		0.0	*
3Q15		7/7/2015	NE	49.39	NA	NA	NA	397.68		0.0	*
4Q15		10/2/2015	NE	47.79	NA	NA	NA	399.28		0.2	*
1Q16		1/5/2016	NE	47.63	NA	NA	NA	399.44		0.4	*
P-91D											
2Q13	447.02	4/1/2013	NE	49.42	NA	NA	NA	397.60	278.70 - 276.70 (168.32 - 170.32)	0.0	*
3Q13		7/3/2013	NE	48.46	NA	NA	NA	398.56		6.6	*
4Q13		10/2/2013	NE	47.76	NA	NA	NA	399.26		1.9	*
1Q14		2/12/2014	NE	49.35	NA	NA	NA	397.67		6.2	*
2Q14		4/4/2014	NE	51.02	NA	NA	NA	396.00		6.9	*
3Q14		7/2/2014	NE	49.37	NA	NA	NA	397.65		0.4	*
4Q14		10/2/2014	NE	48.71	NA	NA	NA	398.31		0.0	*
1Q15	447.06	1/9/2015	NE	48.60	NA	NA	NA	398.46	278.74 - 276.74 (168.32 - 170.32)	0.1	*
2Q15		4/3/2015	NE	49.87	NA	NA	NA	397.19		1.0	*
3Q15		7/7/2015	NE	49.39	NA	NA	NA	397.67		0.0	*
4Q15		10/2/2015	NE	47.78	NA	NA	NA	399.28		0.5	*
1Q16		1/5/2016	NE	47.64	NA	NA	NA	399.42		0.6	*
P-92A											
2Q13	446.12	4/1/2013	47.59	47.71	398.41	398.53	0.12	398.51	398.55 - 383.55 (47.57 - 62.57)	105.0	
3Q13		7/5/2013	46.31	46.40	399.72	399.81	0.09	399.79		17.0	*
4Q13		10/2/2013	45.36	45.42	400.70	400.76	0.06	400.75		55.1	*
1Q14		2/12/2014	47.20	47.28	398.84	398.92	0.08	398.90		153.9	*
2Q14		4/4/2014	49.06	49.16	396.96	397.06	0.10	397.04		0.9	
3Q14		7/2/2014	47.55	47.57	398.55	398.57	0.02	398.57		17.5	*
4Q14		10/2/2014	46.73	46.76	399.36	399.39	0.03	399.38		130.2	*
1Q15	446.24	1/9/2015	46.31	46.35	399.89	399.93	0.04	399.92	398.67 - 383.67 (47.57 - 62.57)	34.9	*
2Q15		4/1/2015	48.06	48.08	398.16	398.18	0.02	398.18		12.8	
3Q15		7/7/2015	NE	48.05	NA	NA	NA	398.19		72.5	
4Q15		10/1/2015	45.90	45.91	400.33	400.34	0.01	400.34		63.4	*
1Q16		1/5/2016	45.91	45.93	400.31	400.33	0.02	400.33		77.1	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-92B											
2Q13	446.07	4/1/2013	NE	47.57	NA	NA	NA	398.50	372.42 - 370.42 (73.65 - 75.65)	1.9	*
3Q13		7/5/2013	NE	46.29	NA	NA	NA	399.78		0.0	*
4Q13		10/2/2013	NE	45.31	NA	NA	NA	400.76		0.3	*
1Q14		2/12/2014	NE	47.12	NA	NA	NA	398.95		1.7	*
2Q14		4/4/2014	NE	49.03	NA	NA	NA	397.04		0.2	*
3Q14		7/2/2014	NE	47.52	NA	NA	NA	398.55		0.0	*
4Q14		10/2/2014	NE	46.70	NA	NA	NA	399.37		0.6	*
1Q15	446.18	1/9/2015	NE	46.28	NA	NA	NA	399.90	372.53 - 370.53 (73.65 - 75.65)	0.0	*
2Q15		4/1/2015	NE	48.03	NA	NA	NA	398.15		0.0	*
3Q15		7/7/2015	NE	48.02	NA	NA	NA	398.16		0.5	*
4Q15		10/1/2015	NE	45.89	NA	NA	NA	400.29		0.6	*
1Q16		1/5/2016	NE	45.88	NA	NA	NA	400.30		0.0	*
P-92C											
2Q13	445.98	4/1/2013	NE	47.47	NA	NA	NA	398.51	352.54 - 350.54 (93.44 - 95.44)	0.0	*
3Q13		7/5/2013	NE	46.31	NA	NA	NA	399.67		0.4	*
4Q13		10/2/2013	NE	45.33	NA	NA	NA	400.65		0.8	*
1Q14		2/12/2014	NE	47.29	NA	NA	NA	398.69		0.2	*
2Q14		4/4/2014	NE	48.80	NA	NA	NA	397.18		0.4	*
3Q14		7/2/2014	NM	NM	NA	NA	NA	NA		NM	Well damaged
4Q14		10/2/2014	NM	NM	NA	NA	NA	NA		NM	Well damaged
1Q15	446.17	1/9/2015	NE	46.25	NA	NA	NA	399.92	353.21 - 348.21 (92.96 - 97.96)	4.4	*Replaced during 4Q14
2Q15		4/1/2015	NE	48.02	NA	NA	NA	398.15		2.9	*
3Q15		7/7/2015	NE	48.02	NA	NA	NA	398.15		0.7	*
4Q15		10/1/2015	NE	45.90	NA	NA	NA	400.27		44.0	*
1Q16		1/5/2016	NE	45.88	NA	NA	NA	400.29		9.1	*
P-92D											
2Q13	445.90	4/1/2013	NE	47.47	NA	NA	NA	398.43	304.90 - 302.90 (141.00 - 143.00)	0.0	*
3Q13		7/5/2013	NE	46.22	NA	NA	NA	399.68		0.0	*
4Q13		10/2/2013	NE	45.21	NA	NA	NA	400.69		0.1	*
1Q14		2/12/2014	NE	47.07	NA	NA	NA	398.83		0.4	*
2Q14		4/4/2014	NE	48.94	NA	NA	NA	396.96		0.3	*
3Q14		7/2/2014	NE	47.42	NA	NA	NA	398.48		0.0	*
4Q14		10/2/2014	NE	46.62	NA	NA	NA	399.28		0.2	*
1Q15	446.00	1/9/2015	NE	46.10	NA	NA	NA	399.90	305.00 - 303.00 (141.00 - 143.00)	0.4	*
2Q15		4/1/2015	NE	47.91	NA	NA	NA	398.09		0.0	*
3Q15		7/7/2015	NE	47.88	NA	NA	NA	398.12		2.2	*
4Q15		10/1/2015	NE	45.78	NA	NA	NA	400.22		0.0	*
1Q16		1/5/2016	NE	45.77	NA	NA	NA	400.23		0.0	*
P-93A											
2Q13	446.58	4/2/2013	NE	46.58	NA	NA	NA	400.00	398.41 - 383.41 (48.17 - 63.17)	0.0	*
3Q13		7/5/2013	NE	43.68	NA	NA	NA	402.90		0.0	*
4Q13		10/2/2013	NE	44.00	NA	NA	NA	402.58		0.1	*
1Q14		2/12/2014	NE	46.53	NA	NA	NA	400.04		3.6	*
2Q14		4/4/2014	NE	47.28	NA	NA	NA	399.29		1.3	*
3Q14		7/1/2014	NE	46.10	NA	NA	NA	400.48		0.0	*
4Q14		10/3/2014	NE	45.09	NA	NA	NA	401.48		2.2	*
1Q15	445.12	1/8/2015	NE	46.84	NA	NA	NA	398.28	402.05 - 392.05 (43.07 - 53.07)	0.0	Replaced during 4Q14
2Q15		4/1/2015	NE	47.05	NA	NA	NA	398.07		0.0	
3Q15		7/9/2015	NE	46.39	NA	NA	NA	398.73		0.0	
4Q15		10/1/2015	NE	43.64	NA	NA	NA	401.48		0.0	
1Q16		1/4/2016	NE	43.94	NA	NA	NA	401.18		0.0	
P-93B											
2Q13	446.46	4/2/2013	NE	46.70	NA	NA	NA	399.76	371.86 - 369.86 (74.60 - 76.60)	0.0	*
3Q13		7/5/2013	NE	43.71	NA	NA	NA	402.75		0.0	*
4Q13		10/2/2013	NE	44.09	NA	NA	NA	402.37		18.4	*
1Q14		2/12/2014	NE	46.58	NA	NA	NA	399.88		70.0	*
2Q14		4/4/2014	NE	47.33	NA	NA	NA	399.13		0.5	*
3Q14		7/1/2014	NE	46.15	NA	NA	NA	400.31		0.0	*
4Q14		10/3/2014	NE	45.13	NA	NA	NA	401.33		1.0	*
1Q15	446.52	1/9/2015	NE	47.10	NA	NA	NA	399.42	371.92 - 369.92 (74.60 - 76.60)	0.1	*
2Q15		4/1/2015	NE	48.44	NA	NA	NA	398.08		51.9	*
3Q15		7/9/2015	NE	47.76	NA	NA	NA	398.76		0.1	*
4Q15		10/1/2015	NE	45.18	NA	NA	NA	401.34		0.1	*
1Q16		1/4/2016	NE	45.30	NA	NA	NA	401.22		18.9	*
P-93C											
2Q13	446.51	4/2/2013	NE	46.51	NA	NA	NA	400.00	352.26 - 350.26 (94.26 - 96.26)	0.0	*
3Q13		7/5/2013	NE	43.59	NA	NA	NA	402.92		0.0	*
4Q13		10/2/2013	NE	43.94	NA	NA	NA	402.57		0.3	*
1Q14		2/12/2014	NE	46.44	NA	NA	NA	400.07		1.3	*
2Q14		4/4/2014	NE	47.20	NA	NA	NA	399.31		0.0	*
3Q14		7/1/2014	NE	46.03	NA	NA	NA	400.48		0.0	*
4Q14		10/3/2014	NE	45.01	NA	NA	NA	401.50		0.4	*
1Q15	446.28	1/8/2015	NE	46.36	NA	NA	NA	399.92	353.81 - 348.81 (92.47 - 97.47)	2.3	* Replaced during 4Q14
2Q15		4/1/2015	NE	48.24	NA	NA	NA	398.04		12.8	*
3Q15		7/9/2015	NE	47.55	NA	NA	NA	398.73		0.1	*
4Q15		10/1/2015	NE	44.83	NA	NA	NA	401.45		64.3	*
1Q16		1/4/2016	NE	45.04	NA	NA	NA	401.24		0.1	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-93D											
2Q13	446.89	4/2/2013	NE	46.67	NA	NA	NA	400.22	321.14 - 319.14 (125.75 - 127.75)	0.0	*
3Q13		7/5/2013	NE	43.75	NA	NA	NA	403.14		0.0	*
4Q13		10/2/2013	NE	44.06	NA	NA	NA	402.83		0.2	*
1Q14		2/12/2014	NE	46.62	NA	NA	NA	400.27		4.1	*
2Q14		4/4/2014	NE	47.36	NA	NA	NA	399.53		3.1	*
3Q14		7/1/2014	NE	46.17	NA	NA	NA	400.72		0.0	*
4Q14		10/3/2014	NE	45.16	NA	NA	NA	401.73		14.4	*
1Q15	446.73	1/8/2015	NE	46.82	NA	NA	NA	399.91	320.98 - 318.98 (125.75 - 127.75)	10.8	*
2Q15		4/1/2015	NE	48.64	NA	NA	NA	398.09		13.7	*
3Q15		7/9/2015	NE	47.96	NA	NA	NA	398.77		0.0	*
4Q15		10/1/2015	NE	45.27	NA	NA	NA	401.46		0.1	*
1Q16		1/4/2016	NE	45.45	NA	NA	NA	401.28		0.0	*
P-94											
2Q13	444.65	4/2/2013	NE	40.64	NA	NA	NA	404.01	398.80 - 383.80 (45.85 - 60.85)	0.0	*
3Q13		7/3/2013	NE	38.49	NA	NA	NA	406.16		0.0	*
4Q13		10/1/2013	NE	39.17	NA	NA	NA	405.48		2.6	*
1Q14		2/11/2014	NE	40.93	NA	NA	NA	403.72		0.4	*
2Q14		4/1/2014	NE	41.85	NA	NA	NA	402.80		0.0	*
3Q14		7/1/2014	NE	41.46	NA	NA	NA	403.19		0.0	*
4Q14		10/1/2014	NE	41.10	NA	NA	NA	403.55		0.0	*
1Q15	445.14	1/6/2015	NE	41.09	NA	NA	NA	404.05	399.29 - 384.29 (45.85 - 60.85)	0.0	*
2Q15		4/6/2015	NE	41.00	NA	NA	NA	404.14		0.1	*
3Q15		7/6/2015	NE	39.97	NA	NA	NA	405.17		0.2	*
4Q15		10/1/2015	NE	39.08	NA	NA	NA	406.06		0.0	*
1Q16		1/5/2016	NE	38.98	NA	NA	NA	406.16		0.0	*
P-95											
2Q13	443.44	4/2/2013	NE	34.91	NA	NA	NA	408.53	406.92 - 391.92 (36.52 - 51.52)	0.2	*
3Q13		7/2/2013	NE	33.31	NA	NA	NA	410.13		0.0	*
4Q13		10/2/2013	NE	32.59	NA	NA	NA	410.85		0.0	*
1Q14		2/10/2014	NE	34.28	NA	NA	NA	409.16		1.2	*
2Q14		4/4/2014	NE	36.19	NA	NA	NA	407.25		0.0	*
3Q14		7/3/2014	NE	34.73	NA	NA	NA	408.71		0.0	*
4Q14		10/3/2014	NE	34.39	NA	NA	NA	409.05		0.0	*
1Q15	443.42	1/12/2015	NE	34.16	NA	NA	NA	409.26	406.90 - 391.90 (36.52 - 51.52)	0.2	*
2Q15		4/3/2015	NE	34.52	NA	NA	NA	408.90		0.0	*
3Q15		7/7/2015	NE	33.83	NA	NA	NA	409.59		0.0	*
4Q15		10/2/2015	NE	32.55	NA	NA	NA	410.87		0.3	*
1Q16		1/5/2016	NE	32.50	NA	NA	NA	410.92		0.2	*
P-102											
2Q13	444.91	4/2/2013	NE	37.95	NA	NA	NA	406.96	402.16 - 382.16 (42.75 - 62.75)	0.2	*
3Q13		7/2/2013	NE	36.53	NA	NA	NA	408.38		0.0	*
4Q13		10/2/2013	NE	36.24	NA	NA	NA	408.67		20.0	*
1Q14		2/11/2014	NE	37.81	NA	NA	NA	407.10		2.9	*
2Q14		4/4/2014	NE	38.55	NA	NA	NA	406.36		7.5	*
3Q14		7/3/2014	NE	38.25	NA	NA	NA	406.66		0.0	*
4Q14		10/3/2014	NE	37.87	NA	NA	NA	407.04		6.8	*
1Q15	444.97	1/9/2015	NE	37.20	NA	NA	NA	407.77	402.22 - 382.22 (42.75 - 62.75)	0.0	*
2Q15		4/3/2015	NE	37.85	NA	NA	NA	407.12		0.1	*
3Q15		7/7/2015	NE	37.02	NA	NA	NA	407.95		0.2	*
4Q15		10/2/2015	NE	35.85	NA	NA	NA	409.12		16.6	*
1Q16		1/5/2016	NE	35.79	NA	NA	NA	409.18		0.0	*
P-114R (P-114)											
2Q13	432.40	4/2/2013	NE	31.99	NA	NA	NA	400.42	399.73 - 379.73 (32.67 - 52.67)	0.9	*
3Q13		7/2/2013	NE	27.65	NA	NA	NA	404.76		0.3	*
4Q13		10/2/2013	NE	29.03	NA	NA	NA	403.38		0.0	*
1Q14		2/11/2014	NE	32.11	NA	NA	NA	400.29		0.5	*
2Q14		4/4/2014	NM	NM	NA	NA	NA	NA		NM	
3Q14		7/2/2014	NE	30.87	NA	NA	NA	401.54		3.5	*
4Q14		10/3/2014	NE	29.83	NA	NA	NA	402.58		0.4	*
1Q15	432.45	1/12/2015	NM	NM	NA	NA	NA	NA	399.78 - 379.78 (32.67 - 52.67)	NM	Well damaged
2Q15		4/3/2015	NM	NM	NA	NA	NA	NA		NM	Well damaged
3Q15		7/8/2015	NM	NM	NA	NA	NA	NA		NM	Well damaged
4Q15	429.26	10/6/2015	NE	26.24	NA	NA	NA	403.02	406.25 - 396.25 (23.01 - 33.01)	71.9	Replaced during 3Q15
1Q16		1/6/2016	NE	25.73	NA	NA	NA	403.53		41.7	
P-115											
2Q13	433.31	4/2/2013	NE	32.92	NA	NA	NA	400.39	401.01 - 381.01 (32.30 - 52.30)	0.5	
3Q13		7/2/2013	NE	28.30	NA	NA	NA	405.01		0.5	*
4Q13		10/2/2013	NE	29.99	NA	NA	NA	403.32		0.0	*
1Q14		2/11/2014	NE	33.07	NA	NA	NA	400.24		0.6	
2Q14		4/7/2014	NE	33.10	NA	NA	NA	400.21		57.2	
3Q14		7/2/2014	NE	31.61	NA	NA	NA	401.70		0.9	*
4Q14		10/3/2014	NE	30.52	NA	NA	NA	402.79		0.2	*
1Q15	433.36	1/12/2015	NE	32.17	NA	NA	NA	401.19	401.06 - 381.06 (32.30 - 52.30)	0.0	*
2Q15		4/3/2015	NE	33.81	NA	NA	NA	399.55		0.3	
3Q15		7/8/2015	NE	30.94	NA	NA	NA	402.42		4.8	*
4Q15		10/2/2015	NE	30.13	NA	NA	NA	403.23		0.6	*
1Q16		1/5/2016	NE	29.61	NA	NA	NA	403.75		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-116											
2Q13	436.45	4/2/2013	NE	36.32	NA	NA	NA	400.13	399.01 - 379.01 (37.44 - 57.44)	3.9	*
3Q13		7/2/2013	NE	31.49	NA	NA	NA	404.96		0.0	*
4Q13		10/2/2013	NE	33.43	NA	NA	NA	403.02		18.3	*
1Q14		2/11/2014	NE	36.50	NA	NA	NA	399.95		0.9	*
2Q14		4/4/2014	NE	36.91	NA	NA	NA	399.54		0.1	*
3Q14		7/2/2014	NE	34.94	NA	NA	NA	401.51		0.8	*
4Q14		10/3/2014	NE	33.85	NA	NA	NA	402.60		0.2	*
1Q15	436.63	1/12/2015	NE	35.54	NA	NA	NA	401.09	399.19 - 379.19 (37.44 - 57.44)	0.0	*
2Q15		4/3/2015	NE	37.15	NA	NA	NA	399.48		2.3	*
3Q15		7/8/2015	NE	34.11	NA	NA	NA	402.52		1.6	*
4Q15		10/2/2015	NE	33.45	NA	NA	NA	403.18		1.3	*
1Q16		1/5/2016	NE	32.85	NA	NA	NA	403.78		0.0	*
P-117											
2Q13	432.67	4/2/2013	NE	32.51	NA	NA	NA	400.16	399.74 - 379.74 (32.93 - 52.93)	75.8	*
3Q13		7/2/2013	NE	27.61	NA	NA	NA	405.06		0.0	*
4Q13		10/2/2013	NE	29.63	NA	NA	NA	403.04		0.0	*
1Q14		2/11/2014	NE	32.77	NA	NA	NA	399.90		0.6	*
2Q14		4/4/2014	NE	33.14	NA	NA	NA	399.53		0.0	
3Q14		7/2/2014	NE	31.10	NA	NA	NA	401.57		1.0	*
4Q14		10/3/2014	NE	30.03	NA	NA	NA	402.64		0.0	*
1Q15	432.71	1/12/2015	NE	35.54	NA	NA	NA	397.17	399.78 - 379.78 (32.93 - 52.93)	0.0	
2Q15		4/3/2015	NE	33.39	NA	NA	NA	399.32		2.8	
3Q15		7/8/2015	NE	30.16	NA	NA	NA	402.55		1.6	*
4Q15		10/2/2015	NE	29.64	NA	NA	NA	403.07		4.7	*
1Q16		1/6/2016	NE	28.77	NA	NA	NA	403.94		0.0	*
P-118											
2Q13	431.32	4/2/2013	NE	31.53	NA	NA	NA	399.79	400.20 - 384.27 (31.12 - 47.05)	0.2	
3Q13		7/2/2013	NE	26.10	NA	NA	NA	405.22		0.0	*
4Q13		10/2/2013	NE	28.82	NA	NA	NA	402.50		0.0	*
1Q14		2/11/2014	NE	31.91	NA	NA	NA	399.41		5.3	
2Q14		4/4/2014	NE	32.11	NA	NA	NA	399.21		0.0	
3Q14		7/2/2014	NE	29.78	NA	NA	NA	401.54		0.8	*
4Q14		10/3/2014	NE	28.71	NA	NA	NA	402.61		0.5	*
1Q15	431.31	1/12/2015	NE	30.73	NA	NA	NA	400.58	400.19 - 384.26 (31.12 - 47.05)	0.0	*
2Q15		4/3/2015	NE	32.22	NA	NA	NA	399.09		0.0	
3Q15		7/8/2015	NE	28.19	NA	NA	NA	403.12		1.5	*
4Q15		10/2/2015	NE	28.59	NA	NA	NA	402.72		0.3	*
1Q16		1/5/2016	NE	27.15	NA	NA	NA	404.16		0.0	*
P-119											
2Q13	431.92	4/2/2013	NE	31.10	NA	NA	NA	400.82	401.25 - 385.32 (30.67 - 46.60)	0.4	
3Q13		7/2/2013	NE	27.48	NA	NA	NA	404.44		0.0	*
4Q13		10/2/2013	NE	28.09	NA	NA	NA	403.83		0.0	*
1Q14		2/11/2014	NE	31.03	NA	NA	NA	400.89		1.0	
2Q14		4/4/2014	NE	31.55	NA	NA	NA	400.37		0.0	
3Q14		7/2/2014	NE	30.06	NA	NA	NA	401.86		1.1	*
4Q14		10/3/2014	NE	29.14	NA	NA	NA	402.78		0.0	*
1Q15	431.90	1/12/2015	NE	30.61	NA	NA	NA	401.29	401.23 - 385.30 (30.67 - 46.60)	0.0	*
2Q15		4/3/2015	NE	32.15	NA	NA	NA	399.75		0.0	
3Q15		7/8/2015	NE	30.41	NA	NA	NA	401.49		0.2	*
4Q15		10/2/2015	NE	28.77	NA	NA	NA	403.13		0.0	*
1Q16		1/5/2016	NE	28.52	NA	NA	NA	403.38		0.0	*
P-120											
2Q13	432.78	4/2/2013	NE	31.42	NA	NA	NA	401.36	401.40 - 385.47 (31.38 - 47.31)	0.0	
3Q13		7/2/2013	NE	27.26	NA	NA	NA	405.52		0.0	*
4Q13		10/2/2013	NE	28.43	NA	NA	NA	404.35		0.0	*
1Q14		2/11/2014	NE	31.38	NA	NA	NA	401.40		1.0	
2Q14		4/4/2014	NE	32.01	NA	NA	NA	400.77		0.0	
3Q14		7/2/2014	NE	30.11	NA	NA	NA	402.67		1.0	*
4Q14		10/3/2014	NE	29.22	NA	NA	NA	403.56		0.9	*
1Q15	432.82	1/12/2015	NE	30.70	NA	NA	NA	402.12	401.44 - 385.51 (31.38 - 47.31)	0.0	*
2Q15		4/3/2015	NE	32.26	NA	NA	NA	400.56		0.0	
3Q15		7/8/2015	NE	29.79	NA	NA	NA	403.03		0.2	*
4Q15		10/2/2015	NE	28.85	NA	NA	NA	403.97		0.0	*
1Q16		1/5/2016	NE	28.19	NA	NA	NA	404.63		0.0	*
P-129											
2Q13	432.46	4/2/2013	NE	33.30	NA	NA	NA	399.16	400.49 - 384.56 (31.97 - 47.90)	3.5	
3Q13		7/2/2013	NE	26.81	NA	NA	NA	405.65		0.0	*
4Q13		10/2/2013	NE	31.35	NA	NA	NA	401.11		0.0	*
1Q14		2/11/2014	NE	34.37	NA	NA	NA	398.09		1.6	
2Q14		4/4/2014	NE	34.27	NA	NA	NA	398.19		0.0	
3Q14		7/2/2014	NE	30.93	NA	NA	NA	401.53		0.7	*
4Q14		10/3/2014	NE	30.31	NA	NA	NA	402.15		0.0	*
1Q15	432.43	1/12/2015	NE	33.06	NA	NA	NA	399.37	400.46 - 384.53 (31.97 - 47.90)	0.0	
2Q15		4/3/2015	NE	34.38	NA	NA	NA	398.05		0.0	
3Q15		7/8/2015	NE	27.81	NA	NA	NA	404.62		0.0	*
4Q15		10/2/2015	NE	30.38	NA	NA	NA	402.05		0.0	*
1Q16		1/6/2016	NE	26.90	NA	NA	NA	405.53		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
GP-9-PZ											
2Q13	442.41	4/2/2013	NE	42.90	NA	NA	NA	399.51	404.81 - 394.81 (37.60 - 47.60)	0.0	
3Q13		7/5/2013	NE	40.22	NA	NA	NA	402.19		0.0	
4Q13		10/2/2013	NE	40.98	NA	NA	NA	401.43		1.1	
1Q14		2/13/2014	NM	NM	NA	NA	NA	NA		NM	
2Q14		4/4/2014	NE	44.86	NA	NA	NA	397.55		0.5	
3Q14		7/2/2014	NE	42.66	NA	NA	NA	399.75		0.0	
4Q14		10/3/2014	NE	41.85	NA	NA	NA	400.56		0.0	
1Q15	442.56	1/8/2015	NE	42.76	NA	NA	NA	399.80	404.96 - 394.96 (37.60 - 47.60)	217.3	
2Q15		4/1/2015	NE	44.24	NA	NA	NA	398.32		0.0	
3Q15		7/9/2015	NE	43.69	NA	NA	NA	398.87		0.1	
4Q15		10/1/2015	NE	41.41	NA	NA	NA	401.15		0.0	
1Q16		1/4/2016	NE	41.90	NA	NA	NA	400.66		0.0	
ROST-3-MW											
2Q13	442.29	4/1/2013	NE	42.26	NA	NA	NA	400.03	404.48 - 394.48 (37.81 - 47.81)	5.6	
3Q13		7/1/2013	NE	39.83	NA	NA	NA	402.46		147.0	
4Q13		10/1/2013	NE	39.98	NA	NA	NA	402.31		267.2	
1Q14		2/10/2014	NE	42.20	NA	NA	NA	400.09		2.6	
2Q14		4/1/2014	NE	42.68	NA	NA	NA	399.61		1.2	
3Q14		7/1/2014	NE	42.10	NA	NA	NA	400.19		0.1	
4Q14		10/1/2014	NE	41.16	NA	NA	NA	401.13		0.0	
1Q15		1/5/2015	NE	41.82	NA	NA	NA	400.47		167.7	
2Q15		4/2/2015	NE	43.23	NA	NA	NA	399.06		0.0	
3Q15		7/6/2015	NE	42.69	NA	NA	NA	399.60		5.7	
4Q15		10/1/2015	NE	40.45	NA	NA	NA	401.84		0.1	
1Q16		1/4/2016	NE	40.84	NA	NA	NA	401.45		1.2	
ROST-4-PZ											
2Q13	442.13	4/1/2013	41.38	41.46	400.67	400.75	0.08	400.73	407.20 - 397.20 (34.93 - 44.93)	0.3	
3Q13		7/1/2013	NE	39.60	NA	NA	NA	402.53		0.0	
4Q13		10/1/2013	NE	38.88	NA	NA	NA	403.25		38.9	
1Q14		2/10/2014	NE	40.97	NA	NA	NA	401.16		1.2	
2Q14		4/1/2014	NE	41.22	NA	NA	NA	400.91		0.3	
3Q14		7/1/2014	NE	41.42	NA	NA	NA	400.71		0.0	
4Q14		10/1/2014	NE	40.25	NA	NA	NA	401.88		4.4	
1Q15		1/5/2015	NE	40.80	NA	NA	NA	401.33		10.3	
2Q15		4/2/2015	NE	41.75	NA	NA	NA	400.38		0.0	
3Q15		7/6/2015	NE	41.86	NA	NA	NA	400.27		0.0	
4Q15		10/1/2015	NE	39.70	NA	NA	NA	402.43		0.6	
1Q16		1/4/2016	NE	40.10	NA	NA	NA	402.03		0.0	
ROST-4-PZ(A)											
2Q13	442.11	4/1/2013	NE	41.86	NA	NA	NA	400.25	407.34 - 397.34 (34.77 - 44.77)	0.7	
3Q13		7/1/2013	NE	39.66	NA	NA	NA	402.45		0.2	
4Q13		10/1/2013	NE	38.76	NA	NA	NA	403.35		0.0	
1Q14		2/10/2014	NE	41.29	NA	NA	NA	400.82		0.6	
2Q14		4/1/2014	NE	41.81	NA	NA	NA	400.30		0.4	
3Q14		7/1/2014	NE	39.69	NA	NA	NA	402.42		0.0	
4Q14		10/1/2014	NE	39.74	NA	NA	NA	402.37		0.0	
1Q15		1/5/2015	NE	41.26	NA	NA	NA	400.85		0.0	
2Q15		4/2/2015	NE	42.45	NA	NA	NA	399.66		0.0	
3Q15		7/6/2015	NE	42.07	NA	NA	NA	400.04		0.0	
4Q15		10/1/2015	NE	39.82	NA	NA	NA	402.29		0.6	
1Q16		1/4/2016	NE	39.78	NA	NA	NA	402.33		0.0	
ROST-4-PZ(B)											
2Q13	442.38	4/1/2013	NE	41.55	NA	NA	NA	400.83	407.33 - 397.33 (35.05 - 45.05)	0.5	
3Q13		7/1/2013	NE	39.52	NA	NA	NA	402.86		0.0	
4Q13		10/1/2013	NE	38.58	NA	NA	NA	403.80		1.1	
1Q14		2/10/2014	NE	40.84	NA	NA	NA	401.54		0.3	
2Q14		4/1/2014	NE	41.18	NA	NA	NA	401.20		0.0	
3Q14		7/1/2014	NE	41.38	NA	NA	NA	401.00		0.0	
4Q14		10/1/2014	NE	40.00	NA	NA	NA	402.38		0.0	
1Q15		1/5/2015	NE	40.55	NA	NA	NA	401.83		0.0	
2Q15		4/2/2015	NE	42.22	NA	NA	NA	400.16		6.1	
3Q15		7/6/2015	NE	41.84	NA	NA	NA	400.54		0.0	
4Q15		10/1/2015	NE	39.36	NA	NA	NA	403.02		0.6	
1Q16		1/4/2016	NE	40.06	NA	NA	NA	402.32		0.0	
ROST-4-PZ(C)											
2Q13	442.66	4/1/2013	NE	42.34	NA	NA	NA	400.32	407.71 - 397.71 (34.95 - 44.95)	0.0	
3Q13		7/1/2013	NE	40.57	NA	NA	NA	402.09		0.2	
4Q13		10/1/2013	NE	39.77	NA	NA	NA	402.89		0.0	
1Q14		2/10/2014	NE	41.92	NA	NA	NA	400.74		0.2	
2Q14		4/1/2014	NE	42.19	NA	NA	NA	400.47		0.0	
3Q14		7/1/2014	NE	42.38	NA	NA	NA	400.28		0.0	
4Q14		10/1/2014	NE	41.28	NA	NA	NA	401.38		0.0	
1Q15		1/5/2015	NE	41.74	NA	NA	NA	400.92		0.0	
2Q15		4/2/2015	NE	42.80	NA	NA	NA	399.86		0.0	
3Q15		7/6/2015	NE	42.78	NA	NA	NA	399.88		1.1	
4Q15		10/1/2015	NE	40.63	NA	NA	NA	402.03		0.6	
1Q16		1/4/2016	NE	41.11	NA	NA	NA	401.55		0.0	

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
ROST-4-PZ(D)											
2Q13	442.98	4/1/2013	NE	NE	NA	NA	NA	NA	408.01 - 398.01 (34.97 - 44.97)	3.4	Well Dry
3Q13		7/1/2013	NE	NE	NA	NA	NA	NA		0.0	Well Dry
4Q13		10/1/2013	NE	39.63	NA	NA	NA	403.35		0.0	
1Q14		2/10/2014	NE	41.78	NA	NA	NA	401.20		0.6	
2Q14		4/1/2014	NE	42.10	NA	NA	NA	400.88		0.6	
3Q14		7/1/2014	NE	42.22	NA	NA	NA	400.76		0.0	
4Q14		10/1/2014	NE	41.06	NA	NA	NA	401.92		0.0	
1Q15		1/5/2015	NE	41.54	NA	NA	NA	401.44		43.0	
2Q15		4/2/2015	42.59	42.65	400.33	400.39	0.06	400.38		0.0	
3Q15		7/6/2015	NE	42.65	NA	NA	NA	400.33		0.3	
4Q15		10/1/2015	NE	40.48	NA	NA	NA	402.50		0.6	
1Q16		1/4/2016	NE	40.95	NA	NA	NA	402.03		0.0	
ROST-4-PZ(E)											
2Q13	441.96	4/1/2013	NE	40.80	NA	NA	NA	401.16	407.21 - 397.21 (34.75 - 44.75)	1.2	
3Q13		7/1/2013	NE	39.58	NA	NA	NA	402.38		0.0	
4Q13		10/1/2013	NE	38.70	NA	NA	NA	403.26		1.9	
1Q14		2/10/2014	40.60	40.62	401.34	401.36	0.02	401.36		0.3	
2Q14		4/1/2014	NE	40.38	NA	NA	NA	401.58		0.0	
3Q14		7/1/2014	NE	40.59	NA	NA	NA	401.37		1.1	
4Q14		10/1/2014	NE	39.71	NA	NA	NA	402.25		0.0	
1Q15		1/5/2015	NE	39.95	NA	NA	NA	402.01		1.9	
2Q15		4/2/2015	NE	41.22	NA	NA	NA	400.74		0.0	
3Q15		7/6/2015	41.41	41.44	400.52	400.55	0.03	400.54		0.0	
4Q15		10/1/2015	NE	39.41	NA	NA	NA	402.55		0.6	
1Q16		1/4/2016	NE	39.68	NA	NA	NA	402.28		4.4	
ROST-4-PZ(F)											
2Q13	442.12	4/1/2013	NE	41.12	NA	NA	NA	401.00	407.59 - 397.59 (34.53 - 44.53)	0.8	
3Q13		7/1/2013	NE	39.67	NA	NA	NA	402.45		0.0	
4Q13		10/1/2013	NE	38.83	NA	NA	NA	403.29		1.0	
1Q14		2/10/2014	NE	40.22	NA	NA	NA	401.90		0.3	
2Q14		4/1/2014	NE	40.45	NA	NA	NA	401.67		1.0	
3Q14		7/1/2014	NE	40.51	NA	NA	NA	401.61		2.4	
4Q14		10/1/2014	NE	39.79	NA	NA	NA	402.33		0.0	
1Q15		1/5/2015	39.92	39.93	402.19	402.20	0.01	402.20		0.0	
2Q15		4/2/2015	NE	40.54	NA	NA	NA	401.58		0.0	
3Q15		7/6/2015	NE	40.81	NA	NA	NA	401.31		0.0	
4Q15		10/1/2015	NE	39.46	NA	NA	NA	402.66		0.5	
1Q16		1/4/2016	NE	39.77	NA	NA	NA	402.35		0.0	
ROST-4-PZ(G)											
2Q13	442.13	4/1/2013	NE	42.14	NA	NA	NA	399.99	407.85 - 397.85 (34.28 - 44.28)	0.0	
3Q13		7/1/2013	NE	39.68	NA	NA	NA	402.45		49.3	
4Q13		10/1/2013	NE	40.22	NA	NA	NA	401.91		40.6	
1Q14		2/10/2014	NE	42.35	NA	NA	NA	399.78		0.1	
2Q14		4/1/2014	NE	42.79	NA	NA	NA	399.34		0.5	
3Q14		7/1/2014	NE	42.08	NA	NA	NA	400.05		0.2	
4Q14		10/1/2014	NE	41.26	NA	NA	NA	400.87		0.0	
1Q15		1/5/2015	NE	41.97	NA	NA	NA	400.16		3.3	
2Q15		4/2/2015	NE	43.29	NA	NA	NA	398.84		0.0	
3Q15		7/6/2015	NE	42.80	NA	NA	NA	399.33		0.0	
4Q15		10/1/2015	NE	40.55	NA	NA	NA	401.58		0.1	
1Q16		1/4/2016	NE	41.02	NA	NA	NA	401.11		0.7	
ROST-5-PZ											
2Q13	442.22	4/1/2013	NE	NE	NA	NA	NA	NA	429.02 - 419.02 (13.20 - 23.20)	0.0	Well Dry
3Q13		7/1/2013	NE	22.98	NA	NA	NA	419.24		0.6	
4Q13		10/1/2013	NE	NE	NA	NA	NA	NA		0.0	Well Dry
1Q14		2/10/2014	NE	NE	NA	NA	NA	NA		0.2	Well Dry
2Q14		4/3/2014	NE	NE	NA	NA	NA	NA		5.1	Well Dry
3Q14		7/2/2014	NE	NE	NA	NA	NA	NA		0.0	Well Dry
4Q14		10/1/2014	NE	NE	NA	NA	NA	NA		0.0	Well Dry
1Q15		1/5/2015	NE	NE	NA	NA	NA	NA		3.3	Well Dry
2Q15		4/2/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
3Q15		7/6/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
4Q15		10/1/2015	NE	NE	NA	NA	NA	NA		0.1	Well Dry
1Q16		1/4/2016	NE	NE	NA	NA	NA	NA		0.0	Well Dry
ROST-7-PZ											
2Q13	442.19	4/1/2013	NE	25.51	NA	NA	NA	416.68	422.19 - 412.19 (20.00 - 30.00)	15.0	
3Q13		7/5/2013	NE	22.28	NA	NA	NA	419.91		12.5	
4Q13		10/1/2013	NE	22.41	NA	NA	NA	419.78		0.0	
1Q14		2/10/2014	NE	23.49	NA	NA	NA	418.70		0.3	
2Q14		4/3/2014	NE	23.88	NA	NA	NA	418.31		1.4	
3Q14		7/1/2014	NE	22.88	NA	NA	NA	419.31		0.0	
4Q14		10/1/2014	NE	21.81	NA	NA	NA	420.38		0.0	
1Q15		1/6/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
2Q15		4/2/2015	NE	21.71	NA	NA	NA	420.48		0.0	
3Q15		7/6/2015	NE	20.54	NA	NA	NA	421.65		0.1	
4Q15		10/1/2015	NE	20.59	NA	NA	NA	421.60		0.3	
1Q16		1/4/2016	NE	22.11	NA	NA	NA	420.08		0.0	

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
ROST-10-PZ											
2Q13	444.51	4/1/2013	NE	NE	NA	NA	NA	NA	434.51 - 424.51 (10.00 - 20.00)	1.5	Well Dry
3Q13		7/1/2013	NE	NE	NA	NA	NA	NA		0.5	Well Dry
4Q13		10/1/2013	NE	NE	NA	NA	NA	NA		0.0	Well Dry
1Q14		2/10/2014	NE	NE	NA	NA	NA	NA		0.7	Well Dry
2Q14		4/2/2014	NE	NE	NA	NA	NA	NA		0.1	Well Dry
3Q14		7/1/2014	NE	NE	NA	NA	NA	NA		0.0	Well Dry
4Q14		10/1/2014	NE	NE	NA	NA	NA	NA		0.0	Well Dry
1Q15		1/5/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
2Q15		4/2/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
3Q15		7/6/2015	NE	NE	NA	NA	NA	NA		0.0	Well Dry
4Q15		10/1/2015	NE	NE	NA	NA	NA	NA		0.1	Well Dry
1Q16		1/4/2016	NE	NE	NA	NA	NA	NA		0.0	Well Dry
ROST-21-PZ											
2Q13	443.72	4/1/2013	NE	NE	NA	NA	NA	NA	433.72 - 423.72 (10.00 - 20.00)	4.6	Well Dry
3Q13		7/1/2013	NE	18.42	NA	NA	NA	425.30		0.2	
4Q13		10/1/2013	NE	19.38	NA	NA	NA	424.34		1.9	
1Q14		2/10/2014	NE	NE	NA	NA	NA	NA		4.9	Well Dry
2Q14		4/1/2014	NE	NE	NA	NA	NA	NA		0.5	Well Dry
3Q14		7/1/2014	NE	19.13	NA	NA	NA	424.59		0.0	
4Q14		10/1/2014	NE	19.38	NA	NA	NA	424.34		0.0	
1Q15		1/5/2015	NE	19.62	NA	NA	NA	424.10		0.0	
2Q15		4/2/2015	NE	19.70	NA	NA	NA	424.02		0.0	
3Q15		7/6/2015	NE	18.88	NA	NA	NA	424.84		0.0	
4Q15		10/1/2015	NE	19.44	NA	NA	NA	424.28		0.2	
1Q16		1/5/2016	NE	18.89	NA	NA	NA	424.83		0.0	
S-1											
2Q13	443.79	4/1/2013	NE	44.20	NA	NA	NA	399.59	Unknown	15.1	
3Q13		7/5/2013	NE	42.12	NA	NA	NA	401.67		126.0	
4Q13		10/2/2013	NE	41.99	NA	NA	NA	401.80		52.0	
1Q14		2/12/2014	43.95	43.96	399.83	399.84	0.01	399.84		123.9	
2Q14		4/4/2014	NE	45.28	NA	NA	NA	398.51		0.2	
3Q14		7/2/2014	44.00	44.01	399.78	399.79	0.01	399.79		195.7	
4Q14		10/2/2014	42.80	42.82	400.97	400.99	0.02	400.99		256.4	
1Q15	443.90	1/5/2015	43.77	45.18	398.72	400.13	1.41	399.85		225.8	
2Q15		4/1/2015	45.40	46.07	397.83	398.50	0.67	398.37		201.5	
3Q15		7/7/2015	45.37	45.68	398.22	398.53	0.31	398.47		30.5	
4Q15		10/1/2015	42.82	42.90	401.00	401.08	0.08	401.06		138.0	
1Q16		1/5/2016	42.59	42.62	401.28	401.31	0.03	401.30		241.6	
T-1											
2Q13	445.40	4/2/2013	NE	44.94	NA	NA	NA	400.46	398.40 - 388.40 (47.00 - 57.00)	0.3	*
3Q13		7/3/2013	NE	42.85	NA	NA	NA	402.55		4.2	*
4Q13		10/1/2013	NE	42.61	NA	NA	NA	402.79		1.5	*
1Q14		2/11/2014	NE	44.35	NA	NA	NA	401.05		1.1	*
2Q14		4/1/2014	NE	44.84	NA	NA	NA	400.56		0.0	*
3Q14		7/1/2014	NE	44.87	NA	NA	NA	400.53		0.0	*
4Q14		10/2/2014	NE	43.94	NA	NA	NA	401.46		0.2	*
1Q15		1/6/2015	NE	44.51	NA	NA	NA	400.89		0.2	*
2Q15		4/3/2015	NE	45.35	NA	NA	NA	400.05		0.0	*
3Q15		7/7/2015	NE	44.86	NA	NA	NA	400.54		0.0	*
4Q15		10/1/2015	NE	42.89	NA	NA	NA	402.51		0.0	*
1Q16		1/4/2016	NE	43.11	NA	NA	NA	402.29		0.0	*
T-2											
2Q13	443.12	4/2/2013	NE	43.35	NA	NA	NA	399.78	392.63 - 372.48 (50.49 - 70.64)	0.7	*
3Q13		7/3/2013	NE	41.48	NA	NA	NA	401.64		0.0	*
4Q13		10/1/2013	NE	41.34	NA	NA	NA	401.78		0.0	*
1Q14		2/11/2014	NE	42.83	NA	NA	NA	400.30		0.7	*
2Q14		4/1/2014	NE	43.69	NA	NA	NA	399.44		0.0	*
3Q14		7/1/2014	NE	43.11	NA	NA	NA	400.02		0.0	*
4Q14		10/2/2014	NE	42.36	NA	NA	NA	400.76		0.0	*
1Q15	443.21	1/6/2015	NE	42.77	NA	NA	NA	400.44	392.72 - 372.56 (50.49 - 70.64)	0.2	*
2Q15		4/3/2015	NE	43.78	NA	NA	NA	399.43		0.0	*
3Q15		7/7/2015	NE	43.32	NA	NA	NA	399.89		0.0	*
4Q15		10/1/2015	NE	41.55	NA	NA	NA	401.66		0.0	*
1Q16		1/5/2016	NE	41.40	NA	NA	NA	401.81		0.0	*
T-3											
2Q13	450.91	4/1/2013	NE	52.35	NA	NA	NA	398.56	403.65 - 388.65 (47.26 - 62.26)	0.0	
3Q13		7/3/2013	NE	50.95	NA	NA	NA	399.96		4.8	
4Q13		10/1/2013	NE	50.78	NA	NA	NA	400.13		10.2	
1Q14		2/12/2014	NE	52.01	NA	NA	NA	398.90		56.2	
2Q14		4/1/2014	NE	53.18	NA	NA	NA	397.73		0.0	
3Q14		7/2/2014	NE	52.21	NA	NA	NA	398.70		0.8	
4Q14		10/2/2014	NE	51.58	NA	NA	NA	399.33		3.4	
1Q15	451.07	1/9/2015	NE	51.44	NA	NA	NA	399.63	403.81 - 388.81 (47.26 - 62.26)	2.5	
2Q15	449.03	4/3/2015	NE	50.57	NA	NA	NA	398.46	403.81 - 388.81 (45.22 - 60.22)	0.1	Well casing trimmed to make well more accessible
3Q15		7/7/2015	NE	50.18	NA	NA	NA	398.85		0.0	
4Q15		10/2/2015	NE	48.64	NA	NA	NA	400.39		0.2	
1Q16		1/5/2016	NE	48.55	NA	NA	NA	400.48		0.1	

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
T-4											
2Q13	447.95	4/1/2013	NE	49.26	NA	NA	NA	398.69	398.24 - 383.24 (49.71 - 64.71)	0.0	*
3Q13		7/3/2013	NE	49.33	NA	NA	NA	398.62		1.1	*
4Q13		10/1/2013	NE	47.84	NA	NA	NA	400.11		0.1	*
1Q14		2/12/2014	NE	49.97	NA	NA	NA	397.98		4.5	
2Q14		4/4/2014	NE	52.42	NA	NA	NA	395.53		0.3	
3Q14		7/1/2014	NE	49.71	NA	NA	NA	398.24		0.0	
4Q14		10/2/2014	NE	49.63	NA	NA	NA	398.32		0.1	*
1Q15	448.03	1/9/2015	NE	49.11	NA	NA	NA	398.92	398.32 - 383.32 (49.71 - 64.71)	1.1	*
2Q15	446.63	4/6/2015	NE	49.83	NA	NA	NA	396.80	398.32 - 383.32 (48.31 - 63.31)	0.3	Well casing trimmed to make well more accessible
3Q15		7/7/2015	NE	48.26	NA	NA	NA	398.37		0.0	*
4Q15		10/2/2015	NE	46.91	NA	NA	NA	399.72		0.0	*
1Q16		1/5/2016	NE	46.73	NA	NA	NA	399.90		0.2	*
T-5											
2Q13	443.46	4/1/2013	NE	43.42	NA	NA	NA	400.04	395.13 - 378.58 (48.33 - 64.88)	0.0	*
3Q13		7/5/2013	NE	41.67	NA	NA	NA	401.79		0.0	*
4Q13		10/1/2013	NE	41.14	NA	NA	NA	402.32		18.2	*
1Q14		2/13/2014	NE	42.96	NA	NA	NA	400.50		174.5	*
2Q14		4/4/2014	NE	44.53	NA	NA	NA	398.93		8.0	*
3Q14		7/2/2014	NE	43.47	NA	NA	NA	399.99		5.4	*
4Q14		10/2/2014	NE	42.44	NA	NA	NA	401.02		0.5	*
1Q15	443.47	1/9/2015	NE	42.54	NA	NA	NA	400.93	395.14 - 378.59 (48.33 - 64.88)	1.9	*
2Q15		4/1/2015	NE	44.23	NA	NA	NA	399.24		0.8	*
3Q15		7/7/2015	NE	44.19	NA	NA	NA	399.28		20.0	*
4Q15		10/1/2015	NE	41.89	NA	NA	NA	401.58		5.9	*
1Q16		1/6/2016	NE	41.74	NA	NA	NA	401.73		6.9	*
T-6											
2Q13	446.55	4/2/2013	NE	46.69	NA	NA	NA	399.86	394.79 - 380.54 (51.76 - 66.01)	0.0	*
3Q13		7/5/2013	NE	43.81	NA	NA	NA	402.74		0.0	*
4Q13		10/1/2013	NE	44.28	NA	NA	NA	402.27		10.0	*
1Q14		2/12/2014	NE	46.63	NA	NA	NA	399.92		6.1	*
2Q14		4/4/2014	NE	47.43	NA	NA	NA	399.12		2.3	*
3Q14		7/1/2014	NE	46.23	NA	NA	NA	400.32		0.0	*
4Q14		10/3/2014	NE	45.18	NA	NA	NA	401.37		0.6	*
1Q15	446.61	1/8/2015	NE	46.78	NA	NA	NA	399.83	394.85 - 380.60 (51.76 - 66.01)	0.2	*
2Q15		4/1/2015	NE	48.56	NA	NA	NA	398.05		0.0	*
3Q15		7/9/2015	NE	47.97	NA	NA	NA	398.64		0.3	*
4Q15		10/1/2015	NE	45.20	NA	NA	NA	401.41		0.2	*
1Q16		1/4/2016	NE	45.40	NA	NA	NA	401.21		0.3	*
T-7											
2Q13	444.01	4/2/2013	NE	42.78	NA	NA	NA	401.23	395.29 - 380.29 (48.72 - 63.72)	9.2	*
3Q13		7/2/2013	NE	40.21	NA	NA	NA	403.80		0.0	*
4Q13		10/2/2013	NE	39.72	NA	NA	NA	404.29		5.1	*
1Q14		2/11/2014	NE	42.60	NA	NA	NA	401.41		4.7	*
2Q14		4/4/2014	NE	43.34	NA	NA	NA	400.67		2.5	*
3Q14		7/3/2014	NE	42.36	NA	NA	NA	401.65		2.4	*
4Q14		10/3/2014	NE	41.33	NA	NA	NA	402.68		6.9	*
1Q15	444.04	1/9/2015	NE	42.58	NA	NA	NA	401.46	395.32 - 380.32 (48.72 - 63.72)	1.8	*
2Q15		4/3/2015	NE	44.17	NA	NA	NA	399.87		5.7	*
3Q15		7/7/2015	NE	43.24	NA	NA	NA	400.80		3.8	*
4Q15		10/2/2015	NE	41.09	NA	NA	NA	402.95		15.6	*
1Q16		1/5/2016	NE	41.02	NA	NA	NA	403.02		4.3	*
T-12											
2Q13	444.69	4/2/2013	NE	45.19	NA	NA	NA	399.50	397.97 - 371.97 (46.72 - 72.72)	0.0	*
3Q13		7/5/2013	NE	43.59	NA	NA	NA	401.10		1.4	*
4Q13		10/1/2013	NE	43.64	NA	NA	NA	401.05		5.5	*
1Q14		2/13/2014	NE	45.26	NA	NA	NA	399.43		0.5	*
2Q14		4/4/2014	NE	46.38	NA	NA	NA	398.31		5.1	*
3Q14		7/1/2014	NE	45.31	NA	NA	NA	399.38		0.0	*
4Q14		10/3/2014	NE	44.63	NA	NA	NA	400.06		2.7	*
1Q15	444.80	1/8/2015	NE	44.92	NA	NA	NA	399.88	397.97 - 371.97 (46.83 - 72.83)	2.0	*
2Q15		4/1/2015	NE	46.73	NA	NA	NA	398.07		0.5	*
3Q15		7/9/2015	NE	46.20	NA	NA	NA	398.60		4.4	*
4Q15		10/1/2015	NE	43.79	NA	NA	NA	401.01		3.1	*
1Q16		1/4/2016	NE	44.43	NA	NA	NA	400.37		0.2	*
T-13											
2Q13	443.46	4/3/2013	NE	42.96	NA	NA	NA	400.50	396.46 - 370.46 (47.00 - 73.00)	0.0	*
3Q13		7/5/2013	NE	40.79	NA	NA	NA	402.67		0.0	*
4Q13		10/3/2013	NE	40.72	NA	NA	NA	402.74		0.0	*
1Q14		2/10/2014	NE	42.54	NA	NA	NA	400.92		0.0	*
2Q14		4/4/2014	NE	43.19	NA	NA	NA	400.27		0.4	*
3Q14		7/1/2014	NE	42.79	NA	NA	NA	400.67		0.0	*
4Q14		10/1/2014	NE	41.98	NA	NA	NA	401.48		0.0	*
1Q15	443.96	1/5/2015	NE	42.41	NA	NA	NA	401.55	396.46 - 370.46 (47.50 - 73.50)	0.0	*
2Q15		4/2/2015	NE	43.45	NA	NA	NA	400.51		0.0	*
3Q15		7/8/2015	NE	42.90	NA	NA	NA	401.06		0.1	*
4Q15		10/1/2015	NE	41.15	NA	NA	NA	402.81		0.0	*
1Q16		1/4/2016	NE	41.04	NA	NA	NA	402.92		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
T-15											
2Q13	445.03	4/2/2013	NE	45.11	NA	NA	NA	399.92	396.99 - 370.99 (48.04 - 74.04)	0.0	*
3Q13		7/3/2013	NE	43.58	NA	NA	NA	401.45		0.2	*
4Q13		10/1/2013	NE	43.48	NA	NA	NA	401.55		11.5	*
1Q14		2/11/2014	NE	44.75	NA	NA	NA	400.28		0.5	*
2Q14		4/1/2014	NE	45.69	NA	NA	NA	399.34		0.0	*
3Q14		7/1/2014	NE	45.12	NA	NA	NA	399.91		0.0	*
4Q14		10/1/2014	NE	44.41	NA	NA	NA	400.62		0.0	*
1Q15	445.14	1/6/2015	NE	44.68	NA	NA	NA	400.46	397.10 - 371.10 (48.04 - 74.04)	0.1	*
2Q15		4/3/2015	NE	45.58	NA	NA	NA	399.56		0.0	*
3Q15		7/7/2015	NE	44.93	NA	NA	NA	400.21		0.0	*
4Q15		10/2/2015	NE	43.54	NA	NA	NA	401.60		0.0	*
1Q16		1/5/2016	NE	43.20	NA	NA	NA	401.94		0.0	*
T-17											
2Q13	445.90	4/2/2013	NE	43.61	NA	NA	NA	402.29	401.80 - 375.80 (44.10 - 70.10)	0.0	*
3Q13		7/3/2013	NE	42.34	NA	NA	NA	403.56		1.3	*
4Q13		10/1/2013	NE	42.46	NA	NA	NA	403.44		0.0	*
1Q14		2/11/2014	NE	43.93	NA	NA	NA	401.97		2.1	*
2Q14		4/1/2014	NE	45.04	NA	NA	NA	400.86		0.0	
3Q14		7/3/2014	NE	44.50	NA	NA	NA	401.40		0.0	
4Q14		10/1/2014	NE	44.00	NA	NA	NA	401.90		0.0	*
1Q15	446.01	1/6/2015	NE	43.75	NA	NA	NA	402.26	401.91 - 375.91 (44.10 - 70.10)	0.1	*
2Q15		4/3/2015	NE	44.17	NA	NA	NA	401.84		0.6	
3Q15		7/7/2015	NE	43.22	NA	NA	NA	402.79		0.0	*
4Q15		10/2/2015	NE	42.29	NA	NA	NA	403.72		0.1	*
1Q16		1/5/2016	NE	42.21	NA	NA	NA	403.80		0.1	*
T-19											
2Q13	446.71	4/1/2013	NE	48.09	NA	NA	NA	398.62	395.94 - 369.94 (50.77 - 76.77)	0.7	*
3Q13		7/3/2013	NE	48.04	NA	NA	NA	398.67		37.2	*
4Q13		10/1/2013	NE	46.40	NA	NA	NA	400.31		0.8	*
1Q14		2/12/2014	NE	48.54	NA	NA	NA	398.17		24.3	*
2Q14		4/4/2014	NE	50.98	NA	NA	NA	395.73		11.7	
3Q14		7/1/2014	NE	48.42	NA	NA	NA	398.29		4.6	*
4Q14		10/2/2014	NE	48.28	NA	NA	NA	398.43		20.1	*
1Q15	446.79	1/9/2015	NE	47.58	NA	NA	NA	399.21	396.02 - 370.02 (50.77 - 76.77)	1.4	*
2Q15		4/6/2015	NE	48.84	NA	NA	NA	397.95		51.2	*
3Q15		7/7/2015	NE	48.40	NA	NA	NA	398.39		21.6	*
4Q15		10/2/2015	NE	46.97	NA	NA	NA	399.82		8.1	*
1Q16		1/5/2016	NE	46.83	NA	NA	NA	399.96		8.5	*
T-21											
2Q13	444.00	4/2/2013	NE	34.98	NA	NA	NA	409.02	412.04 - 386.04 (31.96 - 57.96)	0.4	
3Q13		7/2/2013	NE	33.45	NA	NA	NA	410.55		0.0	
4Q13		10/2/2013	NE	32.82	NA	NA	NA	411.18		0.0	
1Q14		2/11/2014	NE	34.47	NA	NA	NA	409.53		0.2	
2Q14		4/4/2014	NE	35.28	NA	NA	NA	408.72		0.2	
3Q14		7/3/2014	NE	34.83	NA	NA	NA	409.17		0.0	
4Q14		10/3/2014	NE	34.47	NA	NA	NA	409.53		0.1	
1Q15	443.99	1/9/2015	NE	34.26	NA	NA	NA	409.73	412.03 - 386.03 (31.96 - 57.96)	0.0	
2Q15		4/3/2015	NE	34.80	NA	NA	NA	409.19		0.0	
3Q15		7/7/2015	NE	33.88	NA	NA	NA	410.11		0.0	
4Q15		10/2/2015	NE	32.70	NA	NA	NA	411.29		0.9	
1Q16		1/5/2016	NE	32.70	NA	NA	NA	411.29		0.0	
T-22											
2Q13	442.21	4/2/2013	NE	36.44	NA	NA	NA	405.77	410.66 - 384.96 (31.55 - 57.25)	0.1	
3Q13		7/2/2013	NE	34.04	NA	NA	NA	408.17		0.0	
4Q13		10/2/2013	NE	33.85	NA	NA	NA	408.36		0.0	
1Q14		2/11/2014	NE	35.93	NA	NA	NA	406.28		0.7	
2Q14		4/4/2014	NE	36.61	NA	NA	NA	405.60		0.2	
3Q14		7/3/2014	NE	35.96	NA	NA	NA	406.25		0.0	
4Q14		10/3/2014	NE	35.19	NA	NA	NA	407.02		0.1	
1Q15	442.19	1/9/2015	NE	35.29	NA	NA	NA	406.90	410.64 - 384.94 (31.55 - 57.25)	0.0	
2Q15		4/3/2015	NE	36.38	NA	NA	NA	405.81		0.2	
3Q15		7/7/2015	NE	35.51	NA	NA	NA	406.68		10.7	
4Q15		10/2/2015	NE	34.08	NA	NA	NA	408.11		0.0	
1Q16		1/5/2016	NE	33.86	NA	NA	NA	408.33		0.0	
T-23											
2Q13	432.64	4/2/2013	NE	29.04	NA	NA	NA	403.60	405.41 - 379.41 (27.23 - 53.23)	0.2	
3Q13		7/2/2013	NE	26.95	NA	NA	NA	405.69		0.0	*
4Q13		10/2/2013	NE	26.40	NA	NA	NA	406.24		0.0	*
1Q14		2/10/2014	NE	28.80	NA	NA	NA	403.84		0.1	
2Q14		4/4/2014	NE	29.45	NA	NA	NA	403.19		0.0	
3Q14		7/2/2014	NE	28.37	NA	NA	NA	404.27		0.8	
4Q14		10/2/2014	NE	27.29	NA	NA	NA	405.35		0.0	
1Q15	432.69	1/8/2015	NE	28.04	NA	NA	NA	404.65	405.46 - 379.46 (27.23 - 53.23)	0.9	
2Q15		4/6/2015	NM	NM	NA	NA	NA	NA		NM	Unable to locate well due to landscaping
3Q15		7/6/2015	NE	27.93	NA	NA	NA	404.76		0.3	
4Q15		10/2/2015	NE	26.97	NA	NA	NA	405.72		1.0	*
1Q16		1/5/2016	NE	25.98	NA	NA	NA	406.71		0.0	*

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
T-24											
2Q13	443.72	4/2/2013	44.58	44.64	399.08	399.14	0.06	399.13	402.22 - 376.57 (41.50 - 67.15)	0.0	
3Q13		7/2/2013	42.16	42.55	401.17	401.56	0.39	401.48		10.0	
4Q13		10/2/2013	42.20	42.22	401.50	401.52	0.02	401.51		0.8	
1Q14		2/12/2014	43.35	45.60	398.12	400.37	2.25	399.92		8.2	
2Q14		4/4/2014	44.95	45.44	398.28	398.77	0.49	398.67		0.4	
3Q14		7/2/2014	44.09	44.26	399.46	399.63	0.17	399.59		0.0	
4Q14		10/3/2014	43.12	44.01	399.71	400.60	0.89	400.42		1.6	
1Q15	443.81	1/9/2015	43.75	45.39	398.42	400.06	1.64	399.73	402.31 - 376.66 (41.50 - 67.15)	3.4	
2Q15		4/1/2015	45.02	46.10	397.71	398.79	1.08	398.57		0.0	
3Q15		7/8/2015	NM	NM	NA	NA	NA	NA		NM	Unsafe condition
4Q15		10/1/2015	42.51	42.63	401.18	401.30	0.12	401.28		1.4	
1Q16		1/5/2016	42.70	43.50	400.31	401.11	0.80	400.95		0.0	
T-28											
2Q13	444.22	4/2/2013	NE	43.42	NA	NA	NA	400.80	Unknown	0.0	
3Q13		7/3/2013	NE	42.40	NA	NA	NA	401.82		0.0	
4Q13		10/1/2013	NE	39.17	NA	NA	NA	405.05		2.1	
1Q14		2/11/2014	NE	43.72	NA	NA	NA	400.50		0.8	
2Q14		4/1/2014	NE	44.84	NA	NA	NA	399.38		0.0	
3Q14		7/1/2014	NE	44.05	NA	NA	NA	400.17		0.0	
4Q14		10/1/2014	NE	43.60	NA	NA	NA	400.62		0.0	
1Q15	444.43	1/6/2015	NE	43.46	NA	NA	NA	400.97		0.0	
2Q15		4/6/2015	NE	43.93	NA	NA	NA	400.50		1.1	
3Q15		7/8/2015	NM	NM	NA	NA	NA	NA		NM	Unsafe condition
4Q15		10/1/2015	NE	42.23	NA	NA	NA	402.20		0.3	
1Q16		1/5/2016	NE	41.60	NA	NA	NA	402.83		0.0	
T-38											
2Q13	445.62	4/1/2013	NM	NM	NA	NA	NA	NA	396.48 - 376.48 (49.14 - 69.14)	NM	Unsafe condition
3Q13		7/3/2013	NM	NM	NA	NA	NA	NA		NM	Unsafe condition
4Q13		10/1/2013	NM	NM	NA	NA	NA	NA		NM	Unsafe condition
1Q14		2/12/2014	NE	41.21	NA	NA	NA	404.41		0.3	*
2Q14		4/3/2014	NE	41.38	NA	NA	NA	404.24		0.0	*
3Q14		7/1/2014	NE	41.39	NA	NA	NA	404.23		0.0	*
4Q14		10/2/2014	NE	40.96	NA	NA	NA	404.66		0.0	*
1Q15	445.67	1/9/2015	NE	39.96	NA	NA	NA	405.71	396.53 - 376.53 (49.14 - 69.14)	0.0	*
2Q15		4/3/2015	NE	40.64	NA	NA	NA	405.03		0.0	*
3Q15		7/7/2015	NE	39.66	NA	NA	NA	406.01		0.0	*
4Q15		10/1/2015	NE	38.67	NA	NA	NA	407.00		0.0	*
1Q16		1/5/2016	NE	38.52	NA	NA	NA	407.15		0.0	*
T-62											
2Q13	431.73	4/2/2013	NE	30.80	NA	NA	NA	400.93	412.02 - 382.02 (19.71 - 49.71)	0.0	
3Q13		7/2/2013	NE	26.91	NA	NA	NA	404.82		0.0	
4Q13		10/2/2013	NE	27.81	NA	NA	NA	403.92		0.0	
1Q14		2/11/2014	NE	30.81	NA	NA	NA	400.92		31.0	
2Q14		4/7/2014	NE	31.37	NA	NA	NA	400.36		0.0	
3Q14		7/2/2014	NM	NM	NA	NA	NA	NA		NM	
4Q14		10/3/2014	NE	28.62	NA	NA	NA	403.11		0.1	
1Q15	431.99	1/12/2015	NE	30.15	NA	NA	NA	401.84	412.28 - 382.28 (19.71 - 49.71)	0.0	
2Q15		4/3/2015	NE	31.72	NA	NA	NA	400.27		0.0	
3Q15		7/8/2015	NE	29.43	NA	NA	NA	402.56		35.4	
4Q15		10/2/2015	NE	28.22	NA	NA	NA	403.77		0.0	
1Q16		1/5/2016	NE	27.87	NA	NA	NA	404.12		61.2	
T-63											
2Q13	431.24	4/2/2013	NE	30.61	NA	NA	NA	400.63	411.26 - 381.26 (19.98 - 49.98)	0.0	
3Q13		7/2/2013	NE	25.92	NA	NA	NA	405.32		0.0	
4Q13		10/2/2013	NE	27.63	NA	NA	NA	403.61		0.0	
1Q14		2/11/2014	NE	30.74	NA	NA	NA	400.50		0.5	
2Q14		4/7/2014	NE	30.80	NA	NA	NA	400.44		0.1	
3Q14		7/2/2014	NE	29.21	NA	NA	NA	402.03		1.0	
4Q14		10/3/2014	NE	28.11	NA	NA	NA	403.13		0.0	
1Q15	431.43	1/5/2015	NM	NM	NA	NA	NA	NA	411.45 - 381.45 (19.98 - 49.98)	NM	Unsafe condition
2Q15		4/3/2015	NE	31.52	NA	NA	NA	399.91		0.5	
3Q15		7/8/2015	NM	NM	NA	NA	NA	NA		NM	Unsafe condition
4Q15		10/2/2015	NE	27.78	NA	NA	NA	403.65		0.8	
1Q16		1/5/2016	NE	27.22	NA	NA	NA	404.21		0.3	
T-64											
2Q13	428.80	4/2/2013	NE	28.63	NA	NA	NA	400.17	408.99 - 378.99 (19.81 - 49.81)	0.1	
3Q13		7/2/2013	NE	23.15	NA	NA	NA	405.65		0.2	
4Q13		10/2/2013	NE	25.86	NA	NA	NA	402.94		0.0	
1Q14		2/11/2014	NE	29.03	NA	NA	NA	399.77		0.4	
2Q14		4/4/2014	NE	29.29	NA	NA	NA	399.51		0.0	
3Q14		7/2/2014	NE	26.90	NA	NA	NA	401.90		0.8	
4Q14		10/3/2014	NE	25.81	NA	NA	NA	402.99		0.0	
1Q15	428.93	1/12/2015	NE	27.96	NA	NA	NA	400.97	409.12 - 379.12 (19.81 - 49.81)	0.9	
2Q15		4/3/2015	NE	29.46	NA	NA	NA	399.47		1.6	
3Q15		7/8/2015	NE	25.37	NA	NA	NA	403.56		172.1	
4Q15		10/2/2015	NE	25.61	NA	NA	NA	403.32		1.2	
1Q16		1/5/2016	NM	NM	NA	NA	NA	NA		NM	Unsafe condition

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TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
PZ-1-85											
2Q13	445.50	4/1/2013	NE	45.12	NA	NA	NA	400.38	369.70 - 359.70 (75.80 - 85.80)	0.6	*
3Q13		7/1/2013	NE	42.68	NA	NA	NA	402.82		0.0	*
4Q13		10/1/2013	NE	42.63	NA	NA	NA	402.87		1.5	*
1Q14		2/10/2014	NE	44.82	NA	NA	NA	400.68		1.9	*
2Q14		4/1/2014	NE	45.30	NA	NA	NA	400.20		3.3	*
3Q14		7/1/2014	NE	44.82	NA	NA	NA	400.68		4.4	*
4Q14	445.48	10/1/2014	NE	43.88	NA	NA	NA	401.60	369.70 - 359.70 (75.78 - 85.78)	0.1	*
1Q15		1/5/2015	NE	44.48	NA	NA	NA	401.00		0.0	*
2Q15		4/2/2015	NE	45.81	NA	NA	NA	399.67		0.6	*
3Q15		7/6/2015	NE	45.17	NA	NA	NA	400.31		0.0	*
4Q15		10/1/2015	NE	43.09	NA	NA	NA	402.39		0.6	*
1Q16		1/4/2016	NE	43.32	NA	NA	NA	402.16		0.0	*
PZ-1-101											
2Q13	445.52	4/1/2013	NE	45.04	NA	NA	NA	400.48	354.52 - 344.52 (91.00 - 101.00)	0.1	*
3Q13		7/1/2013	NE	42.50	NA	NA	NA	403.02		0.0	*
4Q13		10/1/2013	NE	42.50	NA	NA	NA	403.02		0.6	*
1Q14		2/10/2014	NE	44.69	NA	NA	NA	400.83		0.4	*
2Q14		4/1/2014	NE	45.17	NA	NA	NA	400.35		0.0	*
3Q14		7/1/2014	NE	44.69	NA	NA	NA	400.83		3.6	*
4Q14	445.49	10/1/2014	NE	43.74	NA	NA	NA	401.75	354.52 - 344.52 (90.97 - 100.97)	0.1	*
1Q15		1/5/2015	NE	44.36	NA	NA	NA	401.13		0.0	*
2Q15		4/2/2015	NE	45.67	NA	NA	NA	399.82		0.0	*
3Q15		7/6/2015	NE	45.04	NA	NA	NA	400.45		0.0	*
4Q15		10/1/2015	NE	42.98	NA	NA	NA	402.51		0.6	*
1Q16		1/4/2016	NE	43.19	NA	NA	NA	402.30		0.0	*
PZ-2-70.5											
2Q13	443.15	4/1/2013	NE	43.03	NA	NA	NA	400.12	382.65 - 372.65 (60.50 - 70.50)	8.4	*
3Q13		7/1/2013	NE	40.13	NA	NA	NA	403.02		0.0	*
4Q13		10/1/2013	NE	40.22	NA	NA	NA	402.93		212.2	*
1Q14		2/10/2014	NE	43.11	NA	NA	NA	400.04		12.5	*
2Q14		4/2/2014	NE	43.53	NA	NA	NA	399.62		44.6	*
3Q14		7/1/2014	NE	42.58	NA	NA	NA	400.57		1.1	*
4Q14	443.06	10/1/2014	NE	41.50	NA	NA	NA	401.56	382.65 - 372.65 (60.41 - 70.41)	143.5	*
1Q15		1/5/2015	NE	42.60	NA	NA	NA	400.46		66.0	*
2Q15		4/2/2015	NE	44.18	NA	NA	NA	398.88		3.7	*
3Q15		7/6/2015	NE	43.43	NA	NA	NA	399.63		41.8	*
4Q15		10/1/2015	NE	41.07	NA	NA	NA	401.99		0.4	*
1Q16		1/5/2016	NE	41.44	NA	NA	NA	401.62		36.9	*
PZ-2-84											
2Q13	443.12	4/1/2013	NE	42.95	NA	NA	NA	400.17	371.12 - 359.12 (72.00 - 84.00)	0.0	*
3Q13		7/1/2013	NE	40.03	NA	NA	NA	403.09		0.4	*
4Q13		10/1/2013	NE	40.55	NA	NA	NA	402.57		0.0	*
1Q14		2/10/2014	NE	43.02	NA	NA	NA	400.10		0.5	*
2Q14		4/2/2014	NE	43.47	NA	NA	NA	399.65		0.0	*
3Q14		7/1/2014	NE	42.45	NA	NA	NA	400.67		1.2	*
4Q14	443.00	10/1/2014	NE	41.39	NA	NA	NA	401.61	371.12 - 359.12 (71.88 - 83.88)	0.0	*
1Q15		1/5/2015	NE	42.50	NA	NA	NA	400.50		85.5	*
2Q15		4/2/2015	NE	44.08	NA	NA	NA	398.92		5.2	*
3Q15		7/6/2015	NE	43.28	NA	NA	NA	399.72		44.7	*
4Q15		10/1/2015	NE	40.97	NA	NA	NA	402.03		0.2	*
1Q16		1/5/2016	NE	41.32	NA	NA	NA	401.68		66.5	*

NOTES:
1) Elevations presented in this table are relative to the 1988 NAVD datum.
2) The Corrected W.L. Elevations presented in this table were corrected by a specific gravity of 0.80 for the wells in which LNAPL was identified.
3) PID values measured with a 10.6 electron volt (eV) lamp photoionization detector.
4) NA = Not Applicable; NE = Not Encountered; NM = Not Measured
5) * Indicates that the LNAPL and/or water level is above the top of the screened zone of the well.
6) Table includes comprehensive groundwater monitoring well gauging data from the combined Village of Roxana Interim Groundwater Monitoring Program and the WRB Refining LP Wood River Refinery Program.
7) Wells in the WRR were resurveyed during 4Q14.

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TABLE 1b
1Q16 WEEKLY/MONTHLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
MW-01											
Monthly	442.65	2/1/2016	NE	40.22	NA	NA	NA	402.43	393.85 - 383.85 (48.80 - 58.80)	0.0	*
		3/1/2016	NE	39.84	NA	NA	NA	402.81		0.1	*
MW-02											
Monthly	443.77	2/1/2016	NE	41.63	NA	NA	NA	402.14	393.90 - 383.90 (49.87 - 59.87)	130.4	*
		3/1/2016	NE	41.17	NA	NA	NA	402.60		189.7	*
MW-03											
Monthly	430.08	2/1/2016	NE	27.00	NA	NA	NA	403.08	395.41 - 385.41 (34.67 - 44.67)	0.0	*
		3/1/2016	NE	26.86	NA	NA	NA	403.22		0.0	*
MW-04											
Monthly	441.14	2/1/2016	NE	38.53	NA	NA	NA	402.61	396.08 - 386.08 (45.06 - 55.06)	92.5	*
		3/1/2016	NE	38.14	NA	NA	NA	403.00		55.8	*
MW-05											
Monthly	429.80	2/1/2016	NE	26.74	NA	NA	NA	403.06	395.83 - 385.83 (33.97 - 43.97)	3.2	*
		3/1/2016	NE	26.54	NA	NA	NA	403.26		2.5	*
MW-06A											
Monthly	432.14	2/1/2016	NE	28.82	NA	NA	NA	403.32	397.31 - 387.31 (34.83 - 44.83)	0.0	*
		3/2/2016	NE	28.62	NA	NA	NA	403.52		0.0	*
MW-06B											
Monthly	432.29	2/1/2016	NE	28.86	NA	NA	NA	403.43	368.24 - 363.24 (64.05 - 69.05)	0.0	*
		3/2/2016	NE	28.67	NA	NA	NA	403.62		0.3	*
MW-06C											
Monthly	432.11	2/1/2016	NE	28.66	NA	NA	NA	403.45	347.16 - 342.16 (84.95 - 89.95)	1.3	*
		3/2/2016	NE	28.47	NA	NA	NA	403.64		1.0	*
MW-06D											
Monthly	431.99	2/1/2016	NE	28.52	NA	NA	NA	403.47	327.27 - 322.27 (104.72 - 109.72)	6.1	*
		3/2/2016	NE	28.31	NA	NA	NA	403.68		0.6	*
MW-07											
Monthly	443.10	2/1/2016	NE	40.62	NA	NA	NA	402.48	400.18 - 390.18 (42.92 - 52.92)	600.4	*
		3/1/2016	NE	40.16	NA	NA	NA	402.94		4098.0	*
MW-08											
Monthly	434.11	2/1/2016	NE	31.31	NA	NA	NA	402.80	400.51 - 390.51 (33.60 - 43.60)	501.2	*
		3/1/2016	NE	31.03	NA	NA	NA	403.08		923.7	*
MW-09											
Monthly	445.20	2/1/2016	NE	42.16	NA	NA	NA	403.04	398.75 - 388.75 (46.45 - 56.45)	3.8	*
		3/1/2016	NE	41.71	NA	NA	NA	403.49		0.0	*
MW-10											
Monthly	445.03	2/1/2016	NE	42.29	NA	NA	NA	402.74	400.60 - 390.60 (44.43 - 54.43)	0.0	*
		3/1/2016	NE	41.81	NA	NA	NA	403.22		0.0	*
MW-11											
Monthly	442.33	2/1/2016	NE	39.67	NA	NA	NA	402.66	400.67 - 390.67 (41.66 - 51.66)	0.2	*
		3/1/2016	NE	39.28	NA	NA	NA	403.05		0.0	*
MW-12											
Monthly	442.60	2/1/2016	NE	39.89	NA	NA	NA	402.71	400.68 - 390.68 (41.92 - 51.92)	0.2	*
		3/1/2016	NE	39.59	NA	NA	NA	403.01		0.6	*
MW-14											
Monthly	434.44	2/2/2016	NE	30.74	NA	NA	NA	403.70	401.02 - 391.02 (33.42 - 43.42)	23.9	*
		3/2/2016	NE	30.86	NA	NA	NA	403.58		47.6	*
MW-16											
Monthly	443.39	2/1/2016	NE	41.31	NA	NA	NA	402.08	406.33 - 396.33 (37.06 - 47.06)	2.2	
		3/1/2016	NE	40.88	NA	NA	NA	402.51		0.1	
MW-17											
Monthly	441.57	2/1/2016	NE	39.83	NA	NA	NA	401.74	407.28 - 392.28 (34.29 - 49.29)	0.0	
		3/1/2016	NE	39.41	NA	NA	NA	402.16		0.0	
MW-18											
Monthly	442.04	2/1/2016	NE	40.47	NA	NA	NA	401.57	407.12 - 392.12 (34.92 - 49.92)	0.0	
		3/1/2016	NE	40.02	NA	NA	NA	402.02		0.2	
MW-19											
Weekly	442.77	1/12/2016	NE	41.72	NA	NA	NA	401.05	406.43 - 391.43 (36.34 - 51.34)	0.4	
		1/18/2016	NE	41.54	NA	NA	NA	401.23		1.0	
		1/25/2016	NE	41.09	NA	NA	NA	401.68		0.0	
Monthly		2/1/2016	NE	40.96	NA	NA	NA	401.81		0.0	
Weekly		2/10/2016	NE	40.89	NA	NA	NA	401.88		0.5	
		2/15/2016	NE	40.77	NA	NA	NA	402.00		0.1	
		2/25/2016	NE	40.74	NA	NA	NA	402.03		0.0	
Monthly		3/1/2016	NE	40.49	NA	NA	NA	402.28		0.1	
Weekly		3/8/2016	NE	40.54	NA	NA	NA	402.23		0.0	
		3/15/2016	NE	40.47	NA	NA	NA	402.30		0.1	
		3/21/2016	NE	40.68	NA	NA	NA	402.09		0.0	
		3/28/2016	NE	40.79	NA	NA	NA	401.98		0.0	
MW-20											
Monthly	443.67	2/1/2016	NE	41.72	NA	NA	NA	401.95	407.79 - 392.79 (35.88 - 50.88)	0.0	
		3/1/2016	NE	41.28	NA	NA	NA	402.39		0.0	
MW-21											
Monthly	443.81	2/1/2016	NE	41.63	NA	NA	NA	402.18	408.80 - 393.80 (35.01 - 50.01)	0.0	
		3/1/2016	NE	41.11	NA	NA	NA	402.70		0.1	

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TABLE 1b
1Q16 WEEKLY/MONTHLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
MW-22											
Weekly	442.16	1/12/2016	NE	40.71	NA	NA	NA	401.45	404.28 - 394.28 (37.88 - 47.88)	0.9	
		1/18/2016	NE	40.52	NA	NA	NA	401.64		0.4	
		1/25/2016	NE	40.08	NA	NA	NA	402.08		0.0	
Monthly		2/1/2016	NE	40.00	NA	NA	NA	402.16		0.0	
Weekly		2/10/2016	NE	39.88	NA	NA	NA	402.28		0.1	
		2/15/2016	NE	39.69	NA	NA	NA	402.47		0.0	
		2/25/2016	NE	39.76	NA	NA	NA	402.40		2.0	
Monthly		3/1/2016	NE	39.66	NA	NA	NA	402.50		0.0	
Weekly		3/8/2016	NE	39.61	NA	NA	NA	402.55		0.0	
		3/15/2016	NE	39.52	NA	NA	NA	402.64		0.0	
		3/21/2016	NE	39.82	NA	NA	NA	402.34		0.0	
		3/28/2016	NE	39.82	NA	NA	NA	402.34		0.0	
MW-23											
Monthly	431.41	2/1/2016	NE	27.81	NA	NA	NA	403.60	402.39 - 392.39 (29.02 - 39.02)	3.9	*
		3/1/2016	NE	27.86	NA	NA	NA	403.55		4.0	*
MW-24											
Monthly	443.42	2/1/2016	NE	40.86	NA	NA	NA	402.56	404.53 - 394.53 (38.89 - 48.89)	25.9	
		3/1/2016	NE	40.50	NA	NA	NA	402.92		0.3	
MW-25											
Monthly	438.35	2/1/2016	NE	35.62	NA	NA	NA	402.73	402.76 - 392.76 (35.59 - 45.59)	25.4	
		3/1/2016	NE	35.28	NA	NA	NA	403.07		54.2	*
MW-26											
Monthly	441.02	2/1/2016	NE	38.56	NA	NA	NA	402.46	402.87 - 392.87 (38.15 - 48.15)	9.0	
		3/1/2016	NE	38.14	NA	NA	NA	402.88		33.8	*
MW-27											
Monthly	443.40	2/1/2016	NE	40.18	NA	NA	NA	403.22	403.61 - 393.61 (39.79 - 49.79)	0.0	
		3/1/2016	NE	39.67	NA	NA	NA	403.73		0.0	*
MW-28											
Monthly	443.34	2/1/2016	NE	39.95	NA	NA	NA	403.39	409.73 - 399.73 (33.61 - 43.61)	0.2	
		3/1/2016	NE	39.32	NA	NA	NA	404.02		0.1	
P-54											
Monthly	442.32	2/1/2016	NE	39.51	NA	NA	NA	402.81	404.32 - 379.32 (38.00 - 63.00)	1.4	
		3/1/2016	NE	39.18	NA	NA	NA	403.14		0.0	
P-55R											
Weekly	443.79	1/12/2016	41.75	41.78	402.01	402.04	0.03	402.03	403.36 - 393.36 (40.43 - 50.43)	138.2	
		1/18/2016	41.76	41.83	401.96	402.03	0.07	402.02		185.2	
		1/25/2016	41.38	41.68	402.11	402.41	0.30	402.35		44.2	
Monthly		2/2/2016	41.04	41.10	402.69	402.75	0.06	402.74		145.6	
Weekly		2/10/2016	41.25	41.28	402.51	402.54	0.03	402.53		106.4	
		2/15/2016	40.92	41.00	402.79	402.87	0.08	402.85		81.5	
		2/25/2016	41.09	41.18	402.61	402.70	0.09	402.68		123.5	
Monthly		3/2/2016	40.94	41.26	402.53	402.85	0.32	402.79		94.8	
Weekly		3/8/2016	40.90	40.98	402.81	402.89	0.08	402.87		172.4	
		3/15/2016	40.62	40.76	403.03	403.17	0.14	403.14		164.8	
		3/21/2016	41.07	41.11	402.68	402.72	0.04	402.71		188.3	
		3/28/2016	41.05	41.07	402.72	402.74	0.02	402.74		127.0	
P-56											
Monthly	446.14	2/2/2016	NE	44.05	NA	NA	NA	402.09	405.32 - 380.32 (40.82 - 65.82)	0.0	
		3/2/2016	NE	43.90	NA	NA	NA	402.24		0.0	
P-57											
Monthly	446.96	2/2/2016	NE	44.60	NA	NA	NA	402.36	402.77 - 392.77 (44.19 - 54.19)	0.0	
		3/2/2016	NE	44.43	NA	NA	NA	402.53		11.9	
P-58											
Monthly	444.94	2/2/2016	NE	42.37	NA	NA	NA	402.57	404.73 - 379.73 (40.21 - 65.21)	0.0	
		3/2/2016	NE	42.19	NA	NA	NA	402.75		5.4	
P-59											
Monthly	446.86	2/2/2016	NE	45.10	NA	NA	NA	401.76	398.95 - 373.95 (47.91 - 72.91)	94.3	*
		3/2/2016	NE	44.92	NA	NA	NA	401.94		140.4	*
P-60											
Weekly	446.69	1/12/2016	45.47	45.54	401.15	401.22	0.07	401.21	403.24 - 383.24 (43.45 - 63.45)	23.5	
		1/18/2016	NE	45.21	NA	NA	NA	401.48		75.7	
		1/25/2016	44.75	44.83	401.86	401.94	0.08	401.92		74.4	
Monthly		2/2/2016	44.38	44.45	402.24	402.31	0.07	402.30		140.0	
Weekly		2/10/2016	44.54	44.61	402.08	402.15	0.07	402.14		83.0	
		2/15/2016	44.38	44.46	402.23	402.31	0.08	402.29		68.4	
		2/25/2016	44.47	44.53	402.16	402.22	0.06	402.21		195.9	
Monthly		3/2/2016	44.35	44.41	402.28	402.34	0.06	402.33		60.8	
Weekly		3/8/2016	44.25	44.31	402.38	402.44	0.06	402.43		32.3	
		3/15/2016	44.00	44.06	402.63	402.69	0.06	402.68		75.9	
		3/21/2016	44.45	44.51	402.18	402.24	0.06	402.23		31.8	
		3/28/2016	44.37	44.42	402.27	402.32	0.05	402.31		266.6	
P-60-11											
Monthly	446.26	2/2/2016	NE	43.47	NA	NA	NA	402.79	413.11 - 383.11 (33.15 - 63.15)	0.0	
		3/2/2016	NE	43.21	NA	NA	NA	403.05		0.0	
P-60-12											
Monthly	443.43	2/2/2016	NE	41.20	NA	NA	NA	402.23	383.43 - 373.43 (60.00 - 70.00)	3.9	*
		3/2/2016	NE	41.18	NA	NA	NA	402.25		40.4	*

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TABLE 1b
1Q16 WEEKLY/MONTHLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
P-60-12S											
Monthly	443.43	2/2/2016	NE	NE	NA	NA	NA	NA	429.59 - 419.59 (13.84 - 23.84)	0.0	Well is dry
		3/2/2016	NE	NE	NA	NA	NA	NA		1.5	Well is dry
P-60-13											
Monthly	442.92	2/2/2016	NE	39.95	NA	NA	NA	402.97	402.92 - 382.92 (40.00 - 60.00)	0.0	*
		3/2/2016	NE	39.93	NA	NA	NA	402.99		1.3	*
P-60-13S											
Monthly	442.90	2/2/2016	NE	17.59	NA	NA	NA	425.31	432.90 - 422.90 (10.00 - 20.00)	6.1	
		3/2/2016	NE	17.77	NA	NA	NA	425.13		0.0	
P-60-S											
Monthly	446.84	2/2/2016	NE	43.99	NA	NA	NA	402.85	410.36 - 395.36 (36.48 - 51.48)	0.0	
		3/2/2016	NE	44.00	NA	NA	NA	402.84		1.0	
P-66											
Monthly	436.81	2/2/2016	NE	33.81	NA	NA	NA	403.00	402.09 - 377.09 (34.72 - 59.72)	180.1	*
		3/2/2016	NE	33.75	NA	NA	NA	403.06		89.7	*
P-68											
Weekly	445.18	1/12/2016	43.74	43.82	401.36	401.44	0.08	401.42	399.92 - 374.92 (45.26 - 70.26)	180.6	*
		1/18/2016	43.88	43.91	401.27	401.30	0.03	401.29		79.9	*
		1/25/2016	43.40	43.48	401.70	401.78	0.08	401.76		78.0	*
Monthly		2/2/2016	43.04	43.12	402.06	402.14	0.08	402.12		200.9	*
Weekly		2/10/2016	43.23	43.30	401.88	401.95	0.07	401.94		133.9	*
		2/15/2016	43.07	43.14	402.04	402.11	0.07	402.10		194.2	*
		2/25/2016	NE	43.17	NA	NA	NA	402.01		196.6	*
Monthly		3/2/2016	43.06	43.12	402.06	402.12	0.06	402.11		192.8	*
Weekly		3/8/2016	42.97	43.02	402.16	402.21	0.05	402.20		184.9	*
		3/15/2016	42.72	42.80	402.38	402.46	0.08	402.44		166.8	*
		3/21/2016	43.15	43.21	401.97	402.03	0.06	402.02		225.5	*
		3/28/2016	43.07	43.13	402.05	402.11	0.06	402.10		196.8	*
P-74											
Monthly	442.72	2/2/2016	NE	41.08	NA	NA	NA	401.64	398.29 - 373.29 (44.43 - 69.43)	0.0	*
		3/2/2016	NE	40.92	NA	NA	NA	401.80		0.0	*
P-93A											
Monthly	445.12	2/2/2016	NE	42.77	NA	NA	NA	402.35	402.05 - 392.05 (43.07 - 53.07)	0.0	*
		3/2/2016	NE	42.58	NA	NA	NA	402.54		2.1	*
P-93B											
Monthly	446.52	2/2/2016	NE	44.25	NA	NA	NA	402.27	371.92 - 369.92 (74.60 - 76.60)	20.6	*
		3/2/2016	NE	44.09	NA	NA	NA	402.43		1.2	*
P-93C											
Monthly	446.28	2/2/2016	NE	43.90	NA	NA	NA	402.38	353.81 - 348.81 (92.47 - 97.47)	2.8	*
		3/2/2016	NE	43.73	NA	NA	NA	402.55		14.6	*
P-93D											
Monthly	446.73	2/2/2016	NE	44.32	NA	NA	NA	402.41	320.98 - 318.98 (125.75 - 127.75)	0.0	*
		3/2/2016	NE	44.11	NA	NA	NA	402.62		0.2	*
PZ-1-85											
Monthly	445.48	2/1/2016	NE	42.48	NA	NA	NA	403.00	369.70 - 359.70 (75.78 - 85.78)	0.0	*
		3/1/2016	NE	42.07	NA	NA	NA	403.41		0.0	*
PZ-1-101											
Monthly	445.49	2/1/2016	NE	42.41	NA	NA	NA	403.08	354.52 - 344.52 (90.97 - 100.97)	16.6	*
		3/1/2016	NE	41.89	NA	NA	NA	403.60		0.4	*
PZ-2-70.5											
Monthly	443.06	2/1/2016	NE	40.37	NA	NA	NA	402.69	382.65 - 372.65 (60.41 - 70.41)	345.2	*
		3/1/2016	NE	40.06	NA	NA	NA	403.00		57.3	*
PZ-2-84											
Monthly	443.00	2/1/2016	NE	40.27	NA	NA	NA	402.73	371.12 - 359.12 (71.88 - 83.88)	55.0	*
		3/1/2016	NE	40.00	NA	NA	NA	403.00		60.8	*
GP-9-PZ											
Monthly	442.56	2/2/2016	NE	40.63	NA	NA	NA	401.93	404.96 - 394.96 (37.60 - 47.60)	0.0	
		3/2/2016	NE	40.32	NA	NA	NA	402.24		0.0	
ROST-3-MW											
Weekly	442.29	1/12/2016	NE	40.57	NA	NA	NA	401.72	404.48 - 394.48 (37.81 - 47.81)	30.1	
		1/18/2016	NE	40.32	NA	NA	NA	401.97		96.7	
		1/25/2016	NE	40.00	NA	NA	NA	402.29		112.8	
Monthly		2/1/2016	NE	39.90	NA	NA	NA	402.39		7.7	
Weekly		2/10/2016	NE	39.68	NA	NA	NA	402.61		32.6	
		2/15/2016	NE	39.55	NA	NA	NA	402.74		196.7	
		2/25/2016	NE	39.57	NA	NA	NA	402.72		183.5	
Monthly		3/1/2016	NE	39.52	NA	NA	NA	402.77		254.7	
Weekly		3/8/2016	NE	39.37	NA	NA	NA	402.92		201.9	
		3/15/2016	NE	39.33	NA	NA	NA	402.96		239.3	
		3/21/2016	NE	39.58	NA	NA	NA	402.71		16.1	
		3/28/2016	NE	39.59	NA	NA	NA	402.70		9.7	

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TABLE 1b
1Q16 WEEKLY/MONTHLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
ROST-4-PZ											
Weekly	442.13	1/12/2016	NE	39.97	NA	NA	NA	402.16	407.20 - 397.20 (34.93 - 44.93)	0.9	
Weekly		1/18/2016	NE	39.56	NA	NA	NA	402.57		0.8	
Weekly		1/25/2016	NE	39.42	NA	NA	NA	402.71		7.0	
Monthly		2/1/2016	NE	39.44	NA	NA	NA	402.69		0.0	
Weekly		2/10/2016	NE	39.18	NA	NA	NA	402.95		7.7	
Weekly		2/15/2016	NE	38.94	NA	NA	NA	403.19		0.6	
Weekly		2/25/2016	NE	38.97	NA	NA	NA	403.16		4.8	
Monthly		3/1/2016	NE	38.77	NA	NA	NA	403.36		0.1	
Weekly		3/8/2016	NE	38.71	NA	NA	NA	403.42		0.3	
Weekly		3/15/2016	NE	38.60	NA	NA	NA	403.53		0.0	
Weekly		3/21/2016	NE	38.77	NA	NA	NA	403.36		6.9	
Weekly		3/28/2016	NE	38.77	NA	NA	NA	403.36		0.0	
ROST-4-PZ(A)											
Weekly	442.11	1/12/2016	NE	39.68	NA	NA	NA	402.43	407.34 - 397.34 (34.77 - 44.77)	1.0	
Weekly		1/18/2016	NE	39.45	NA	NA	NA	402.66		0.4	
Weekly		1/25/2016	NE	39.15	NA	NA	NA	402.96		0.1	
Monthly		2/1/2016	NE	39.16	NA	NA	NA	402.95		0.0	
Weekly		2/10/2016	NE	38.82	NA	NA	NA	403.29		10.4	
Weekly		2/15/2016	NE	38.37	NA	NA	NA	403.74		0.0	
Weekly		2/25/2016	NE	38.32	NA	NA	NA	403.79		0.0	
Monthly		3/1/2016	NE	37.88	NA	NA	NA	404.23		0.0	
Weekly		3/8/2016	NE	37.89	NA	NA	NA	404.22		1.5	
Weekly		3/15/2016	NE	37.84	NA	NA	NA	404.27		1.6	
Weekly		3/21/2016	NE	37.98	NA	NA	NA	404.13		0.0	
Weekly		3/28/2016	NE	38.19	NA	NA	NA	403.92		0.0	
ROST-4-PZ(B)											
Weekly	442.38	1/12/2016	NE	39.86	NA	NA	NA	402.52	407.33 - 397.33 (35.05 - 45.05)	0.7	
Weekly		1/18/2016	NE	39.76	NA	NA	NA	402.62		10.4	
Weekly		1/25/2016	NE	39.41	NA	NA	NA	402.97		0.0	
Monthly		2/1/2016	NE	39.31	NA	NA	NA	403.07		0.0	
Weekly		2/10/2016	NE	39.04	NA	NA	NA	403.34		0.2	
Weekly		2/15/2016	NE	38.83	NA	NA	NA	403.55		0.4	
Weekly		2/25/2016	NE	38.75	NA	NA	NA	403.63		0.4	
Monthly		3/1/2016	NE	38.61	NA	NA	NA	403.77		0.0	
Weekly		3/8/2016	NE	38.53	NA	NA	NA	403.85		0.0	
Weekly		3/15/2016	NE	38.44	NA	NA	NA	403.94		9.7	
Weekly		3/21/2016	NE	38.59	NA	NA	NA	403.79		0.0	
Weekly		3/28/2016	NE	38.57	NA	NA	NA	403.81		0.0	
ROST-4-PZ(C)											
Weekly	442.66	1/12/2016	NE	40.87	NA	NA	NA	401.79	407.71 - 397.71 (34.95 - 44.95)	2.5	
Weekly		1/18/2016	NE	39.71	NA	NA	NA	402.95		0.0	
Weekly		1/25/2016	NE	40.31	NA	NA	NA	402.35		0.0	
Monthly		2/1/2016	NE	40.31	NA	NA	NA	402.35		0.0	
Weekly		2/10/2016	NE	40.03	NA	NA	NA	402.63		1.8	
Weekly		2/15/2016	NE	39.81	NA	NA	NA	402.85		0.2	
Weekly		2/25/2016	NE	39.86	NA	NA	NA	402.80		0.9	
Monthly		3/1/2016	NE	39.67	NA	NA	NA	402.99		0.0	
Weekly		3/8/2016	NE	39.56	NA	NA	NA	403.10		0.4	
Weekly		3/15/2016	NE	39.47	NA	NA	NA	403.19		0.1	
Weekly		3/21/2016	NE	39.68	NA	NA	NA	402.98		0.0	
Weekly		3/28/2016	NE	39.68	NA	NA	NA	402.98		0.0	
ROST-4-PZ(D)											
Weekly	442.98	1/12/2016	NE	40.81	NA	NA	NA	402.17	408.01 - 398.01 (34.97 - 44.97)	1.2	
Weekly		1/18/2016	NE	40.59	NA	NA	NA	402.39		0.1	
Weekly		1/25/2016	NE	40.17	NA	NA	NA	402.81		0.0	
Monthly		2/1/2016	NE	40.26	NA	NA	NA	402.72		0.0	
Weekly		2/10/2016	NE	39.94	NA	NA	NA	403.04		2.8	
Weekly		2/15/2016	NE	39.68	NA	NA	NA	403.30		0.3	
Weekly		2/25/2016	NE	39.75	NA	NA	NA	403.23		0.3	
Monthly		3/1/2016	NE	39.55	NA	NA	NA	403.43		0.5	
Weekly		3/8/2016	NE	39.42	NA	NA	NA	403.56		0.2	
Weekly		3/15/2016	NE	39.32	NA	NA	NA	403.66		0.6	
Weekly		3/21/2016	NE	39.55	NA	NA	NA	403.43		0.0	
Weekly		3/28/2016	NE	39.57	NA	NA	NA	403.41		0.0	
ROST-4-PZ(E)											
Weekly	441.96	1/12/2016	NE	39.80	NA	NA	NA	402.16	407.21 - 397.21 (34.75 - 44.75)	0.8	
Weekly		1/18/2016	NE	39.47	NA	NA	NA	402.49		0.4	
Weekly		1/25/2016	NE	39.34	NA	NA	NA	402.62		4.4	
Monthly		2/1/2016	NE	39.23	NA	NA	NA	402.73		0.0	
Weekly		2/10/2016	NE	39.09	NA	NA	NA	402.87		0.2	
Weekly		2/15/2016	NE	38.91	NA	NA	NA	403.05		0.3	
Weekly		2/25/2016	NE	38.88	NA	NA	NA	403.08		0.0	
Monthly		3/1/2016	NE	38.81	NA	NA	NA	403.15		0.1	
Weekly		3/8/2016	NE	38.68	NA	NA	NA	403.28		0.0	
Weekly		3/15/2016	NE	38.61	NA	NA	NA	403.35		0.0	
Weekly		3/21/2016	NE	38.69	NA	NA	NA	403.27		0.0	
Weekly		3/28/2016	NE	38.65	NA	NA	NA	403.31		0.2	

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TABLE 1b
1Q16 WEEKLY/MONTHLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.[1])	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER-PRODUCT INTERFACE (elev.[1])	PRODUCT (elev.[1])	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL[2] (elev.[1])	SCREENED INTERVAL (elev.[1]) (ft btoc)	WELL HEAD PID[3] (ppm)	COMMENTS
ROST-4-PZ(F)											
Weekly	442.12	1/12/2016	NE	39.69	NA	NA	NA	402.43	407.59 - 397.59 (34.53 - 44.53)	0.8	
		1/18/2016	NE	39.61	NA	NA	NA	402.51		0.8	
		1/25/2016	NE	39.40	NA	NA	NA	402.72		0.2	
Monthly		2/1/2016	NE	39.35	NA	NA	NA	402.77		0.0	
Weekly		2/10/2016	NM	NM	NA	NA	NA	NA		NM	Well inaccessible
		2/15/2016	NE	39.12	NA	NA	NA	403.00		0.2	
		2/25/2016	NE	38.97	NA	NA	NA	403.15		0.4	
Monthly		3/1/2016	NE	38.99	NA	NA	NA	403.13		0.0	
Weekly		3/8/2016	NE	38.81	NA	NA	NA	403.31		0.0	
		3/15/2016	NE	38.76	NA	NA	NA	403.36		0.2	
		3/21/2016	NE	38.83	NA	NA	NA	403.29		0.0	
		3/28/2016	NE	38.79	NA	NA	NA	403.33		2.9	
ROST-4-PZ(G)											
Weekly	442.13	1/12/2016	NE	40.67	NA	NA	NA	401.46	407.85 - 397.85 (34.28 - 44.28)	0.8	
		1/18/2016	NE	40.50	NA	NA	NA	401.63		0.2	
		1/25/2016	NE	40.06	NA	NA	NA	402.07		0.3	
Monthly		2/1/2016	NE	40.07	NA	NA	NA	402.06		0.0	
Weekly		2/10/2016	NE	39.68	NA	NA	NA	402.45		0.0	
		2/15/2016	NE	39.67	NA	NA	NA	402.46		0.6	
		2/25/2016	NE	39.74	NA	NA	NA	402.39		0.8	
Monthly		3/1/2016	NE	39.61	NA	NA	NA	402.52		0.0	
Weekly		3/8/2016	NE	39.52	NA	NA	NA	402.61		0.1	
		3/15/2016	NE	39.43	NA	NA	NA	402.70		0.0	
		3/21/2016	NE	39.76	NA	NA	NA	402.37		0.0	
		3/28/2016	NE	39.74	NA	NA	NA	402.39		0.0	
ROST-5-PZ											
Monthly	442.22	2/1/2016	NE	NE	NA	NA	NA	NA	429.02 - 419.02 (13.20 - 23.20)	0.0	Well is dry
		3/1/2016	NE	NE	NA	NA	NA	NA		0.0	Well is dry
ROST-7-PZ											
Monthly	442.19	2/1/2016	NE	21.19	NA	NA	NA	421.00	422.19 - 412.19 (20.00 - 30.00)	0.6	
		3/1/2016	NE	21.53	NA	NA	NA	420.66		1.1	
ROST-10-PZ											
Monthly	444.51	2/1/2016	NE	NE	NA	NA	NA	NA	434.51 - 424.51 (10.00 - 20.00)	0.0	Well is dry
		3/1/2016	NE	NE	NA	NA	NA	NA		0.2	Well is dry
ROST-21-PZ											
Monthly	443.72	2/1/2016	NE	18.87	NA	NA	NA	424.85	433.72 - 423.72 (10.00 - 20.00)	0.0	
		3/1/2016	NE	19.32	NA	NA	NA	424.40		0.2	
T-12											
Monthly	444.80	2/2/2016	NE	43.05	NA	NA	NA	401.75	397.97 - 371.97 (46.83 - 72.83)	1.7	*
		3/2/2016	NE	42.97	NA	NA	NA	401.83		4.6	*

NOTES:
1) Elevations presented in this table are relative to the 1988 NAVD datum.
2) The corrected water level elevations presented in this table were corrected by a specific gravity of 0.80 for the wells in which LNAPL was identified.
3) PID values measured with a 10.6 electron volt (eV) lamp photoionization detector.
4) NA = Not Applicable; NE = Not Encountered; NM = Not Measured; BTOC = Below Top of Casing
5) * Indicates that the LNAPL and/or water level is above the top of the screened zone of the well.

TABLE 2b
SUMMARY OF PERCHED GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
P-60-12S							
2Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q15	NM	NM	NM	NM	NM	NM	Well is dry
4Q15	NM	NM	NM	NM	NM	NM	Well is dry
1Q16	NM	NM	NM	NM	NM	NM	Well is dry
P-60-13S							
2Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
ROST-5-PZ							
2Q13	NM	NM	NM	NM	NM	NM	Well is dry
3Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q13	NM	NM	NM	NM	NM	NM	Well is dry
1Q14	NM	NM	NM	NM	NM	NM	Well is dry
2Q14	NM	NM	NM	NM	NM	NM	Well is dry
3Q14	NM	NM	NM	NM	NM	NM	Well is dry
4Q14	NM	NM	NM	NM	NM	NM	Well is dry
1Q15	NM	NM	NM	NM	NM	NM	Well is dry
2Q15	NM	NM	NM	NM	NM	NM	Well is dry
3Q15	NM	NM	NM	NM	NM	NM	Well is dry
4Q15	NM	NM	NM	NM	NM	NM	Well is dry
1Q16	NM	NM	NM	NM	NM	NM	Well is dry
ROST-7-PZ							
2Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
ROST-10-PZ							
2Q13	NM	NM	NM	NM	NM	NM	Well is dry
3Q13	NM	NM	NM	NM	NM	NM	Well is dry
4Q13	NM	NM	NM	NM	NM	NM	Well is dry
1Q14	NM	NM	NM	NM	NM	NM	Well is dry
2Q14	NM	NM	NM	NM	NM	NM	Well is dry
3Q14	NM	NM	NM	NM	NM	NM	Well is dry
4Q14	NM	NM	NM	NM	NM	NM	Well is dry
1Q15	NM	NM	NM	NM	NM	NM	Well is dry
2Q15	NM	NM	NM	NM	NM	NM	Well is dry
3Q15	NM	NM	NM	NM	NM	NM	Well is dry
4Q15	NM	NM	NM	NM	NM	NM	Well is dry
1Q16	NM	NM	NM	NM	NM	NM	Well is dry
ROST-21-PZ							
2Q13	NM	NM	NM	NM	NM	NM	Well is dry
3Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q13	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q14	NM	NM	NM	NM	NM	NM	Well is dry
3Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q14	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
2Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
3Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
4Q15	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP
1Q16	NM	NM	NM	NM	NM	NM	Slow recharge prevented sampling per the SOP

NOTES:

1) NM = Not Measured

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
			Screening Values (mg/L)			6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-01	MW1-ROX-040913	4/9/2013	48.80 - 58.80	42.55	NE	<0.005	0.0004 J	<0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-070813	7/8/2013		39.56	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.00097 U	<0.002	<0.0005	<0.001
	MW1-ROX-100313	10/3/2013		40.28	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-011414	1/14/2014		42.77	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-040714	4/7/2014		43.28	NE	<0.01	0.00066	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-070914	7/9/2014		42.09	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-011215	1/12/2015		42.73	NE	0.035	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-040615	4/6/2015		44.11	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW1-ROX-010816	1/8/2016	48.80 - 58.80	40.93	NE	<0.025	0.0029	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-02	MW2-ROX-040913	4/9/2013	49.87 - 59.87	43.70	NE	<0.05	0.0174	<0.025		<0.025	0.0191 J	0.0085 J	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	0.0101 J	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.0025	0.91
	MW2-ROX-071113	7/11/2013		40.82	NE	<0.01 UJ	0.006	<0.005		<0.005 UJ	<0.005	0.0073	0.0029 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0075	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.57
	MW2-ROX-100813	10/8/2013		41.73	NE	<0.01	0.0139	<0.005		0.0133	<0.005	0.0082	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0104	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.942
	MW2-ROX-012014	1/20/2014		44.00	NE	<0.01	0.0238	<0.005		<0.005	0.0254	0.0096	0.0015 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0106	<0.001	<0.001	<0.001	0.0043	<0.002	<0.002	<0.0005	0.426
	MW2-ROX-041014	4/10/2014		44.66	NE	<0.01	0.0214	<0.005		0.0136	0.0208	0.0077	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.009	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.478
	MW2-ROX-071414	7/14/2014		43.13	NE	<0.01	0.0102 J	<0.005		<0.005	0.0194 J	0.0073 J	0.0013 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.008 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.955
	MW2-ROX-101014	10/10/2014		42.49	NE	<0.02 UJ	0.0132	<0.01		<0.01	0.0145	0.0057 J	0.0011 J	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004	<0.01	0.0063 J	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.001	0.386
	MW2-ROX-011615	1/16/2015		44.1	NE	<0.01	0.0278	0.00045 J		<0.005	0.0185	0.0091	0.0016 J	<0.005	<0.001	<0.001	<0.002	<0.001	0.0052	<0.005	0.0109	0.0008 J	0.00084 J	0.00099 J	<0.001	<0.002	<0.002	<0.0005	0.358
	MW2-ROX-041315	4/13/2015		45.56	NE	<0.01	0.0283	<0.005		<0.005	<0.005	0.0052	0.00084 J	0.00028 J	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0064	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.547
	MW2-ROX-071315	7/13/2015		44.53	NE	<0.01	0.0204	<0.005		<0.005	<0.005	0.006	0.0012 J	<0.0023 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.006	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.984
	MW2-ROX-101215	10/12/2015		42.15	NE	0.054	0.035	<0.002		0.048 J	<0.002	0.0056	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0065	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01	0.42
	MW2-ROX-011416	1/14/2016	49.87 - 59.87	42.04	NE	0.034 J	0.018	<0.002		0.0089 J	0.0057	0.0039	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0046	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01	0.22
MW-03	MW3-ROX-040813	4/8/2013	34.67 - 44.67	29.74	NE	<0.005 UJ	0.008	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW3-ROX-071113	7/11/2013		26.32	NE	<0.01 UJ	0.0059	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW3-ROX-100813	10/8/2013		27.38	NE	<0.01	0.00057	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0025
	MW3-ROX-011614	1/16/2014		29.91	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW3-ROX-040914	4/9/2014		30.50	NE	<0.01	0.0015	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW3-ROX-071114	7/10/2014		29.05	NE	<0.01	0.00062	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.01 UJ	0.0005	<0.005		<0.005	<0.005	<0.005	0.00083 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW3-ROX-011515	1/15/2015		29.65	NE	<0.01	0.00037 J	<0.005		<0.005	<0.005	0.00049 J	0.0009 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00039 J
	MW3-ROX-041015	4/10/2015		31.16	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW3-ROX-071015	7/10/2015		30.01	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00039 J
	MW3-ROX-100915	10/9/2015		27.98	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.0011
	MW3-ROX-010716	1/7/2016	34.67 - 44.67	27.92	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-04	MW4-ROX-040913	4/9/2013	45.06 - 55.06	40.90	NE	<0.02	64.2	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.001	<0.002
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.01	72.9	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00081 J
	MW4-ROX-071713	7/17/2013		37.61	NE	<0.01	12.2	<0.005		<0.005	<0.005	0.0016 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.0015
	MW4-ROX-101613	10/16/2013		38.80	NE	<0.1	1.7	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	<0.01
	MW4-ROX-013014	1/30/2014		41.09	NE	<0.01	2.01	<0.005		<0.005	0.00058 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00048 J
	MW4-ROX-041614	4/16/2014		41.91	NE	<0.01	0.553	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW4-ROX-071614	7/16/2014		40.18	NE	<0.01	1.88	<0.005		<0.005	<0.005	<0.05	<0.05	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.01
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.05	0.815	<0.025		<0.025	<0.025	<0.025	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.0025	<0.005
	MW4-ROX-012115	1/21/2015		41.27	NE	<0.01	0.0902	<0.005		<0.005	<0.005	<0.005	0.00065 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW4-ROX-042115	4/21/2015		42.58	NE	<0.01	0.0702	<0.005		<0.005	<0.005	<0.005	0.00066 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00051 J
	MW4-ROX-071415	7/14/2015	45.06 - 55.06	41.30	NE	<0.01	0.063	<0.005		<0.005	0.00066 J	0.00051 J	0.00074 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00057 J
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.025	0.0036	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW4-ROX-011316	1/13/2016	45.06 - 55.06	39.10	NE	<0.025	0.12	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.00066 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																								
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																								
MW-05	MW5-ROX-040913	4/9/2013	33.97 - 43.97	29.41	NE	<0.005	0.0018	<0.005		<0.01	<0.005	0.0018 J	0.0063	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-070913	7/9/2013		26.04	NE	<0.01	0.0075	<0.005		<0.005	<0.005	<0.005	0.0085	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-100813	10/8/2013		26.97	NE	<0.01	0.0016	<0.005		<0.005	<0.005	<0.005	0.0064	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-011714	1/17/2014		29.59	NE	<0.01	0.002	<0.005		<0.005	<0.005	0.002 J	0.0064	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-041014	4/10/2014		30.09	NE	0.021 J	0.0037	<0.005		<0.005	<0.005	0.0017 J	0.0062	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-071414	7/14/2014		28.59	NE	<0.01	0.001	<0.005		<0.005	<0.005	0.0011 J	0.0046 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.01 UJ	0.028	<0.005		<0.005	<0.005	0.00083 J	0.0049 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-011515	1/15/2015		29.34	NE	<0.01	0.003	<0.005		<0.005	<0.005	0.0014 J	0.0059	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-041315	4/13/2015		30.97	NE	<0.01	0.0391	<0.005		<0.005	<0.005	0.0014 J	0.0051	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0005 J
	MW5-ROX-071315	7/13/2015		29.45	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	0.0031 J	<0.00032 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW5-ROX-101215	10/12/2015		27.53	NE	<0.025	0.0088	<0.001		<0.025	<0.001	<0.001	0.0035	<0.001	<0.001	<0.001	<0.001	0.00079 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.0012
	MW5-ROX-011416	1/14/2016	33.97 - 43.97	27.19	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	0.0026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-06A	MW6A-ROX-040313	4/3/2013	34.83 - 44.83	31.62	NE	<0.005 UJ	0.0017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-070913	7/9/2013		28.25	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-100713	10/7/2013		28.87	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-100713-DUP	10/7/2013		28.87	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-011614	1/16/2014		31.62	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-011614-DUP	1/16/2014		31.62	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-040814	4/8/2014		32.16	NE	0.11	0.0011	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-040814-DUP	4/8/2014		32.16	NE	0.116	0.001	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-071014	7/10/2014		30.75	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-011415	1/14/2015		31.54	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-040715	4/7/2015		33.08	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-071515	7/15/2015		31.52	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW6A-ROX-011116	1/11/2016	34.83 - 44.83	29.36	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-06B	MW6B-ROX-040313	4/3/2013	64.05 - 69.05	31.68	NE	<0.005 UJ	0.00043 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-070913	7/9/2013		28.25	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-100713	10/7/2013		28.93	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-011614	1/16/2014		31.67	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-040814	4/8/2014		32.21	NE	<0.01	0.0009	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-071014	7/10/2014		30.81	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-040715	4/7/2015		33.10	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-071415	7/14/2015		31.56	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW6B-ROX-011116	1/11/2016	64.05 - 69.05	29.41	NE	<0.025	<0.001	<0.001		0.005 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-06C	MW6C-ROX-040313	4/3/2013	84.95 - 89.95	31.41	NE	<0.005 UJ	0.00062	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-070913	7/9/2013		28.03	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-100713	10/7/2013		28.72	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-011614	1/16/2014		31.48	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-040814	4/8/2014		32.01	NE	<0.01	0.0021	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-071014	7/10/2014		30.60	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-011415	1/14/2015		31.41	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-071415	7/14/2015		31.38	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW6C-ROX-010816	1/8/2016	84.95 - 89.95	29.31	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-06D	MW6D-ROX-040313	4/3/2013	104.72 - 109.72	31.27	NE	<0.005 UJ	0.00055	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-070913	7/9/2013		27.91	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-100713	10/7/2013		28.58	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-011614	1/16/2014		31.33	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-040814	4/8/2014		31.85	NE	<0.01	0.0064	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-071014	7/10/2014		31.47	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-040715	4/7/2015		32.74	NE	<0.01	0.00032 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW6D-ROX-010816	1/8/2016	104.72 - 109.72	29.59	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-07	MW7-ROX-041013	4/10/2013	42.92 - 52.92	42.70	NE	<20	475	<10		<20	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	<20	499	<10		<20	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW7-ROX-071713	7/17/2013		39.60	NE	<0.01	1000 J	<0.005		<0.005	<0.005	0.0023 J J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0016 J J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.2 J
	MW7-ROX-101613	10/16/2013		40.64	NE	<20	553	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW7-ROX-013014	1/30/2014		42.94	NE	<25	1490	<13		<13	<13	<13	<13	<13	<2.5	<2.5	<5	<2.5	<5	<13	<13	<2.5	<2.5	<2.5	<2.5	<5	<5	<1.3	<2.5
	MW7-ROX-041614	4/16/2014		43.79	NE	<50	1390	<25		<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	MW7-ROX-071614	7/16/2014		42.05	NE	<0.01	1290	<0.005		<0.005	0.0036 J J	0.0022 J J	0.0022 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0015 J J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.208 J
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	<0.01	1390	<0.005		<0.005	0.0034 J J	0.0023 J J	0.0022 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0015 J J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.206 J
	MW7-ROX-101614	10/16/2014		41.31	NE	<50	1130	<25		<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	<50	984	<25		<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	MW7-ROX-012215	1/22/2015		43.45	NE	<10	821	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	<10	799	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	MW7-ROX-042115	4/21/2015		44.63	NE	<0.5	1110	<0.25		<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	0.0822
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	<0.5	1160	<0.25		<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	0.081
	MW7-ROX-071515	7/15/2015		43.54	NE	<50	1300	<25		<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	<50	1370	<25		<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	MW7-ROX-101915	10/19/2015		41.43	NE	<250	1000	<10		<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<50	<10
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<250	990	<10		<250	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10	<50	<10
	MW7-ROX-011416	1/14/2016	42.92 - 52.92	41.02	NE	<130	740	<5		<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<25	<5
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	<130	700	<5		<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<25	<5

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-08	MW8-ROX-041013	4/10/2013	33.60 - 43.60	33.77	NE	<50	969	<25		<50	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	MW8-ROX-071713	7/17/2013		30.43	NE	<0.008 U	532	<0.005		<0.005	<0.005	0.0033 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0023 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.508
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	<0.01	494	<0.005		<0.005	<0.005	0.0031 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0024 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.442 J
	MW8-ROX-101613	10/16/2013		31.59	NE	<20	360	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW8-ROX-101613-DUP	10/16/2013		31.59	NE	<20	351	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW8-ROX-013014	1/30/2014		34.02	NE	<25	721	<13		<13	<13	<13	<13	<13	<2.5	<2.5	<5	<2.5	<5	<13	<13	<2.5	<2.5	<2.5	<2.5	<5	<5	<1.3	<2.5
	MW8-ROX-013014-DUP	1/30/2014		34.02	NE	<25	748	<13		<13	<13	<13	<13	<13	<2.5	<2.5	<5	<2.5	<5	<13	<13	<2.5	<2.5	<2.5	<2.5	<5	<5	<1.3	<2.5
	MW8-ROX-041614	4/16/2014		34.73	NE	<20	862	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW8-ROX-041614-DUP	4/16/2014		34.73	NE	<20	1060	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW8-ROX-071614	7/16/2014		33.01	NE	<0.01 UJ	280	<0.005 UJ		<0.005 UJ	0.0069 J	0.0042 J J	0.0028 J J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	0.0032 J J	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ	0.266
	MW8-ROX-101614	10/16/2014		32.23	NE	<10	486	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	0.305 J
	MW8-ROX-012215	1/22/2015		34.22	NE	<10	764	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	0.359 J
	MW8-ROX-042115	4/21/2015		35.41	NE	<0.5	1100	<0.25		<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	0.203
	MW8-ROX-071515	7/15/2015		34.07	NE	<50	879	<25		<25	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	MW8-ROX-101915	10/19/2015		32.30	NE	<130	580	<5		<130	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5	<25	<5
	MW8-ROX-011416	1/14/2016	33.60 - 43.60	31.79	NE	<50	300	<2		<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<10	<2
MW-09	MW9-ROX-040913	4/9/2013	46.45 - 56.45	44.67	NE	<0.005	<0.0005	<0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-070813	7/8/2013		42.35	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.0015 U	<0.002	<0.0005	<0.001
	MW9-ROX-100313	10/3/2013		42.27	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-011414	1/14/2014		44.47	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-040714	4/7/2014		44.99	NE	<0.01	0.0044	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-070914	7/9/2014		44.35	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-011315	1/13/2015		44.21	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-040915	4/9/2015		45.38	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-070915	7/9/2015		44.81	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW9-ROX-011316	1/13/2016	46.45 - 56.45	42.63	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-10	MW10-ROX-040913	4/9/2013	44.43 - 54.43	44.60	NE	<0.005	0.00067	<0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-070813	7/8/2013		42.27	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.0016 U	<0.002	<0.0005	<0.001
	MW10-ROX-100313	10/3/2013		42.38	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-011514	1/15/2014		44.42	NE	0.0174	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-040714	4/7/2014		45.00	NE	0.0684	0.0018	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	0.0032	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-070914	7/9/2014		44.35	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-070915	7/9/2015		44.93	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.00048 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW10-ROX-011316	1/13/2016	44.43 - 54.43	42.53	NE	0.023 J	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-11	MW11-ROX-040813	4/8/2013	41.66 - 51.66	42.02	NE	<0.005 UJ	<0.00065 U	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-070813	7/8/2013		39.24	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001 U	<0.002	<0.0005	<0.001
	MW11-ROX-100713	10/7/2013		39.95	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-011514	1/15/2014		42.16	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-040714	4/7/2014		42.70	NE	<0.01	0.0014	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-070914	7/9/2014		41.75	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.00021 U	<0.001	<0.001	<0.002	<0.001	0.00058 J	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW11-ROX-011216	1/12/2016	41.66 - 51.66	40.33	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-12	MW12-ROX-040813	4/8/2013	41.92 - 51.92	42.46	NE	<0.005 UJ	<0.00088 U	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-070913	7/9/2013		39.28	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-100713	10/7/2013		40.22	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-011514	1/15/2014		42.54	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-040814	4/8/2014		43.15	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-070914	7/9/2014		41.97	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-011215	1/12/2015		42.33	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-040615	4/6/2015		43.75	NE	0.0265	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-070815	7/8/2015		42.86	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW12-ROX-011116	1/11/2016	41.92 - 51.92	40.98	NE	0.015 J	<0.001	<0.001		0.0043 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-13	MW13-ROX-041213	4/12/2013	25.57 - 35.57	29.44	NE	<0.0319 UJ	0.0102 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-071213	7/12/2013		25.67	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-100913	10/9/2013		26.94	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-012914	1/29/2014		29.63	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-041114	4/11/2014		30.15	NE	<0.01	0.00058	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-070714	7/7/2014		28.49	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.01 UJ	0.00037 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-011615	1/16/2015		29.09	NE	<0.01	0.00046 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00097 J
	MW13-ROX-041415	4/14/2015		30.71	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00033 J
	MW13-ROX-070815	7/8/2015		29.16	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	0.0016 J	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW13-ROX-010716	1/7/2016	25.57 - 35.57	27.16	NE	0.019 J	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.0021

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-14	MW14-ROX-041113	4/11/2013	33.42 - 43.42	33.31	NE	<0.01	0.0125 J	<0.005		<0.01	0.0021 J	0.0048 J	0.0016 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-071213	7/12/2013		30.36	NE	<0.01	0.00064	<0.005		<0.005	0.00066 J	0.002 J	0.0013 J	<0.005	<0.001 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-101013	10/10/2013		30.80	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	0.0013 J	0.0012 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0011 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-012914	1/29/2014		33.67	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	0.0013 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-041114	4/11/2014		34.30	NE	<0.01	0.0017	<0.005		<0.005	<0.005	<0.005	0.00046 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-070714	7/7/2014		32.82	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	0.00042 J	0.00047 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-101414	10/14/2014		31.65	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	0.00063 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-011615	1/16/2015		33.58	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	0.00053 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00036 J
	MW14-ROX-041415	4/14/2015		35.16	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-070915	7/9/2015		34.06	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.00081 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
	MW-14-ROX-010816	1/8/2016	33.42 - 43.42	31.64	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
MW-16	MW16-ROX-040813	4/8/2013	37.06 - 47.06	43.39	NE	<0.005 UJ	<0.00058 U	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-070813	7/8/2013		40.62	NE	<0.01	<0.00062 U	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-100813	10/8/2013		41.62	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-011514	1/15/2014		43.76	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-040914	4/9/2014		44.63	NE	<0.01	0.00034 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-071014	7/10/2014		43.15	NE	<0.01 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-070915	7/9/2015		44.26	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.0003 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0004 J
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
	MW16-ROX-011216	1/12/2016	37.06 - 47.06	41.99	NE	0.016 J	0.00092 J	<0.001		<0.025	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
MW-22	MW22-ROX-040513	4/5/2013	37.88 - 47.88	42.23	NE	<0.005 UJ	1.5	<0.005		<0.005	0.0413 J	0.0142 J	0.0171 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0122 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	2.44
	MW22-ROX-071113	7/11/2013		39.35	NE	<0.01 UJ	1.19	<0.005		<0.005 UJ	<0.005	0.0116	0.0142	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0087	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	2.07
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	<0.01 UJ	1.11	<0.005		<0.005 UJ	<0.005	0.0116	0.0148	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0087	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.79
	MW22-ROX-100913	10/9/2013		40.39	NE	<0.01	1.33	<0.005		<0.005	0.0286	0.012	0.0167	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.01	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	3.79
	MW22-ROX-100913-DUP	10/9/2013		40.39	NE	<0.01	1.39	<0.005		<0.005	0.0276	0.0118	0.0163	<0.005	<0.001	<0.001	0.0018 J	<0.001	<0.002	<0.005	0.0095	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	3.97
	MW22-ROX-012014	1/20/2014		42.49	NE	<0.01	1.47	<0.005		0.0804	0.0357	0.0128	0.0147	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0094	<0.001	<0.001	<0.001	0.0028	<0.002	<0.002	<0.0005	3.17
	MW22-ROX-012014-DUP	1/20/2014		42.49	NE	<0.01	1.58	<0.005		0.0815	0.0355	0.0127	0.0146	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0094	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	3.4
	MW22-ROX-041014	4/10/2014		43.15	NE	0.0911 J	1.7	<0.005		0.0334	0.0331	0.0128	0.0152	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0094	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	3.32
	MW22-ROX-041014-DUP	4/10/2014		43.15	NE	<0.01 UJ	1.56	<0.005		0.0287	0.0319	0.0123	0.0144	<0.005	<0.001	0.00046 J	<0.002	<0.001	<0.002	<0.005	0.0089	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	3.02
	MW22-ROX-071414	7/14/2014		41.85	NE	<0.01	1.76	<0.005		0.0185 J	0.0349 J	0.013 J	0.0137 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0085 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.93
	MW22-ROX-101014	10/10/2014		41.43	NE	<0.1 UJ	1.62	<0.05		<0.05	0.0165 J	0.0066 J	0.0096 J	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	0.0045 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	1.88
	MW22-ROX-011615	1/16/2015		42.19	NE	<0.1	1.51	<0.05		<0.05	0.0373 J	0.0133 J	0.0152 J	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	0.0117 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	2.84
	MW22-ROX-041415	4/14/2015		43.71	NE	<0.01	1.62	<0.005		<0.005	0.0112	0.0105	0.0123	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0078	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	3.05
	MW22-ROX-071515	7/15/2015		42.64	NE	<0.2	2.92	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.02	<0.04	<0.02	<0.04	<0.1	<0.1	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	<0.01	3.21
	MW22-ROX-101415	10/14/2015		40.54	NE	<0.5	0.8	<0.02		<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1	1.6
	MW22-ROX-011516	1/15/2016	37.88 - 47.88	40.42	NE	<0.5	1.2	<0.02		<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1	2
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	<0.5	1.1	<0.02		<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1	1.9
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.025	<0.001	<0.001		<0.005	<0.001	<0.001	<0.001	<0.002	<0.001	<0.001	<0.002	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001
	MW23-ROX-040815	4/8/2015		32.24	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.00029 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW-23-ROX-010716	1/7/2016	29.02 - 39.02	28.78	NE	0.014 J	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	<0.005	0.0029	<0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0012
	MW24-ROX-071113	7/11/2013		40.35	NE	<0.0157 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-100913	10/9/2013		41.27	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-011514	1/15/2014		43.47	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-040914	4/9/2014		44.13	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-071114	7/10/2014		42.97	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-011315	1/13/2015		43.17	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.00019 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW24-ROX-011316	1/13/2016	38.89 - 48.89	41.44	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<20	501	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	MW25-ROX-012215	1/22/2015		38.45	NE	<2.5	62.8	<1.3		<1.3	<1.3	<1.3	<1.3	<1.3	<0.25	<0.25	<0.5	<0.25	<0.5	<1.3	<1.3	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.13	<0.25
	MW25-ROX-042115	4/21/2015		39.71	NE	<0.5	78.7	<0.25		<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	<0.05
	MW25-ROX-071515	7/15/2015		38.40	NE	<2	71.9	<1		<1	<1	<1	<1	<1	<0.2	<0.2	<0.4	<0.2	<0.4	<1	<1	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.1	<0.2
	MW25-ROX-101915	10/19/2015		36.55	NE	<2.5	11	<0.1		<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.1
	MW25-ROX-011416	1/14/2016	35.59 - 45.59	36.12	NE	<0.5	2.2	<0.02		<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.1	<0.02
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW26-ROX-010716	1/7/2016	38.15 - 48.15	39.55	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.01	0.00033 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW27-ROX-011515	1/15/2015		42.06	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW27-ROX-041015	4/10/2015		43.22	NE	0.0027 J	0.00035 J	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW27-ROX-011316	1/13/2016	39.79 - 49.79	40.68	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.01	0.0081	<0.005		<0.005	<0.005	0.00083 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.00049 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW28-ROX-011515	1/15/2015		41.14	NE	<0.01	0.0541	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.01	0.0189	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.01	0.0668	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	MW28-ROX-101215	10/12/2015		40.04	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.00066 J
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	MW28-ROX-011416	1/14/2016	33.61 - 43.61	39.98	NE	0.018 J	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001

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SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
P-54	P54-ROX-041013	4/10/2013	38.00 - 63.00	41.80	NE	<0.01	0.172	<0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-050313	5/3/2013		41.80	NE	<0.01 UJ	0.0028	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-071113	7/11/2013		39.07	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-100813	10/8/2013		39.94	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-011514	1/15/2014		42.20	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-040914	4/9/2014		42.80	NE	<0.01	0.00081	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-071114	7/10/2014		41.71	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-100814	10/8/2014		40.88	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-011415	1/14/2015		41.79	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-041015	4/10/2015		43.20	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-070915	7/9/2015		42.25	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P54-ROX-100915	10/9/2015		40.20	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	P54-ROX-011216	1/12/2016	38.00 - 63.00	40.22	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
P-55R	P55-ROX-041513	4/15/2013	40.43 - 50.43	43.63	NE	<0.02 UJ	0.434	<0.01		<0.01	0.0052 J	0.0196	<0.01	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.001	0.35
	P55-ROX-071613	7/16/2013		40.06	NE	<0.01	0.573	<0.005	0.88	<0.005	0.0256	0.0155	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0065	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.495
	P55-ROX-101013	10/10/2013		41.67	NE	<0.01	0.757	<0.005		<0.005	0.0239	0.0147	0.0013 J	<0.005	<0.001	<0.001	0.005	<0.001	0.0017 J	<0.005	0.0066	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.602
P-56	P56-ROX-041213	4/12/2013	40.82 - 65.82	46.12	NE	<0.02 U	0.131	<0.01		<0.01	<0.01	0.0142	<0.01	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004	<0.01	<0.01	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.001	0.691
	P56-ROX-071513	7/15/2013		43.25	NE	<0.156 U	0.131	<0.005		<0.005	0.0141	0.0072	0.0038 J	<0.005	<0.001	<0.001	0.0047	<0.001	<0.002	<0.005	0.0061	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	2
	P56-ROX-101013	10/10/2013		44.48	NE	<0.01	0.14	<0.005		<0.005	0.0088	0.005	0.0018 J	<0.005	<0.001	<0.001	0.0038	<0.001	<0.002	<0.005	0.0046 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	0.001	1.58
	P56-ROX-012214	1/22/2014		46.35	NE	<0.01	0.0895	<0.005		<0.005	0.0033 J	0.0023 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0018 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.305
	P56-ROX-041414	4/14/2014		47.32	NE	<0.01	0.128	<0.005		<0.005	0.0069	0.0046 J	0.0014 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0034 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.608
	P56-ROX-070814	7/8/2014		45.97	NE	0.0626 J	0.127 J	<0.005		0.0132 J	0.0159 J	0.0073 J	0.0034 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0058 J	<0.001	<0.001	<0.001	0.0018 J	<0.002	<0.002	<0.0005	1.71 J
	P56-ROX-101314	10/13/2014		45.05	NE	<0.01 UJ	0.107	<0.005		<0.005	0.0062	0.004 J	0.0012 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0035 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.164
	P56-ROX-011915	1/19/2015		46.58	NE	<0.01	0.0991	<0.005		<0.005	0.004 J	0.0037 J	0.00077 J	0.004 J	<0.001	<0.001	<0.002	<0.001	0.0045	<0.005	0.003 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.104
	P56-ROX-041515	4/15/2015		48.05	NE	<0.01	0.0965	<0.005		<0.005	0.0028 J	0.0042 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0033 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.624
	P56-ROX-071015	7/10/2015		47.34	NE	<0.01	0.0683	<0.005		<0.005	<0.005	0.0034 J	0.00068 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0027 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0297
	P56-ROX-101415	10/14/2015		44.85	NE	0.15	0.033	<0.001		0.034	0.0012	0.0018	<0.001	0.0011	<0.001	<0.001	<0.001	0.0022	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	0.067
	P56-ROX-011116	1/11/2016	40.82 - 65.82	44.78	NE	0.069 J	0.03	<0.005		0.032 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025	0.092
P-57	P57-ROX-041113	4/11/2013	40.46 - 65.46	46.29	NE	<5	141	<2.5		<5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	1.19
	P57-ROX-071613	7/16/2013		43.38	NE	<0.01	254	<0.005		<0.005	0.0143 J	0.0131 J	0.0103 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0119 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.59
	P57-ROX-101413	10/14/2013		44.38	NE	<0.01	288	<0.005		<0.005	0.0129	0.0116	0.0163	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0113	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.1
	P57-ROX-020314	2/3/2014		46.57	NE	<10	261	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	0.697 J
	P57-ROX-041514	4/15/2014		46.70	NE	<0.01 UJ	384	<0.005		0.0055	0.0151	0.0131	0.0147	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0114	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.08
	P57-ROX-070814	7/8/2014		45.95	NE	0.0497 J	384	<0.005 UJ		<0.005 UJ	0.011 J	0.0091 J	0.0066 J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	0.0081 J	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ	1.12
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	0.0441 J	377	<0.005 UJ		0.0086 J	0.0114 J	0.0097 J	0.007 J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	0.0085 J	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ	1.21
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	<20 UJ	220	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	1.77 J
	P57-ROX-101414	10/14/2014		45.00	NE	<20 UJ	255	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	3.86
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	<5	107	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	0.773
	P57-ROX-042015	4/20/2015		48.73	NE	<0.5	134	<0.25		<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	0.487
	P57-ROX-071315	7/13/2015		47.81	NE	<10	138	<5		<5	<5	<5	<5	0.852 J	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	0.44 J
	P57-ROX-101515	10/15/2015		45.56	NE	<25	140	<1		<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1
	P57-ROX-011216	1/12/2016		45.61	NE	<25	160	<1		<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	0.55 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
			Screening Values (mg/L)			6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
P-58	P58-ROX-041113	4/11/2013	40.21 - 65.21	44.40	NE	<20	532	<10		<20	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	1.28 J
	P58-ROX-071613	7/16/2013		41.49	NE	<0.01	398	<0.005		<0.005	0.0239	0.0215	0.0532	<0.005	<0.001	0.0017	<0.002	<0.001	<0.002	<0.005	0.0152	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.07
	P58-ROX-101413	10/14/2013		42.19	NE	<0.01	647	<0.005		<0.005	0.023	0.0235	0.0483	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0143	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.53
	P58-ROX-020314	2/3/2014		44.66	NE	<10	496	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	0.767 J
	P58-ROX-041514	4/15/2014		45.66	NE	<0.01 UJ	782	<0.005		0.0056 J	0.0216 J	0.0185 J	0.0396 J	<0.005	<0.001	0.0013 J	<0.002	<0.001	<0.002	<0.005	0.0116 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.891 J
	P58-ROX-071814	7/18/2014		43.80	NE	<20	406	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	P58-ROX-101514	10/15/2014		43.14	NE	<5	493	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	0.793
	P58-ROX-012315	1/23/2015		45.32	NE	<10	304	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	1.13
	P58-ROX-042015	4/20/2015		46.67	NE	<0.1	325	<0.05		<0.05	0.0087 J	0.0094 J	0.0242 J	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	0.0051 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	0.81
	P58-ROX-071415	7/14/2015		45.54	NE	<10	266	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	0.457 J
	P58-ROX-101615	10/16/2015		43.45	NE	<50	430	<2		<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<10	<2
	P58-ROX-011316	1/13/2016	40.21 - 65.21	43.18	NE	<50	510	<2		<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<10	<2
P-59	P59-ROX-041213	4/12/2013	47.91 - 72.91	46.95	NE	<0.5 UJ	15	<0.25		<0.25	<0.25	0.289	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	2.85
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	<0.5 UJ	13.4	<0.25		<0.25	<0.25	0.288	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	2.57
	P59-ROX-071613	7/16/2013		44.13	NE	<0.01	10.2	<0.005		<0.005	0.0213 J	0.0068 J	0.0027 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0046 J J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	2.4
	P59-ROX-101013	10/10/2013		45.50	NE	<0.01	14.7	<0.005		<0.005	0.0224	<0.005	0.0024 J	<0.005	<0.001	<0.001	0.0034	<0.001	<0.002	<0.005	0.0051	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	3.19
	P59-ROX-020314	2/3/2014		47.35	NE	<0.2	15.9	<0.1		<0.1	0.0165 J	<0.1	<0.1	<0.1	<0.02	<0.02	<0.04	<0.02	<0.04	<0.1	<0.1	<0.02	<0.02	<0.02	<0.02	<0.04	<0.04	<0.01	1.86
	P59-ROX-041514	4/15/2014		48.60	NE	<0.01 UJ	14.8	<0.005		0.0253	0.0181	0.0035 J	0.0014 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0029 J	<0.001	<0.001	<0.001	0.0023	<0.002	<0.002	<0.0005	1.69
	P59-ROX-070814	7/8/2014		47.69	NE	0.057 J	12.4	<0.005		0.0169 J	0.0251 J	0.0073 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0046 J J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.92
	P59-ROX-101414	10/14/2014		46.18	NE	<0.01 UJ	12	<0.005		<0.005	0.0278 J	0.0097 J	0.0024 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0043 J J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	2.33
	P59-ROX-011915	1/19/2015		47.42	NE	<1	13.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05	2.2
	P59-ROX-041615	4/16/2015		48.83	NE	<0.1	9.43	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	2.13
	P59-ROX-071315	7/13/2015		47.85	NE	<0.25	3.08	<0.13		<0.13	<0.13	<0.13	<0.13	<0.13	<0.025	<0.025	<0.05	<0.025	<0.05	<0.13	<0.13	<0.025	<0.025	<0.025	<0.025	<0.05	<0.05	<0.013	0.664
	P59-ROX-101515	10/15/2015		45.75	NE	<1.3	7.2	<0.05		<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.05	<0.25	1.1
	P59-ROX-011216	1/12/2016	47.91 - 72.91	46.10	NE	<0.63	5.4	<0.025		<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.13	<0.025	<0.13	1.1
P-66	P66-ROX-041113	4/11/2013	34.72 - 59.72	36.03	NE	<0.01	0.0444	<0.005		<0.01	0.0199	0.0249	0.0104	<0.005	<0.001	<0.001	0.00065 J	<0.001	<0.002	<0.005	0.0093	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0036
	P66-ROX-071213	7/12/2013		33.20	NE	<0.01	0.187	<0.005		<0.005	0.0146	0.0221	0.006	<0.005	<0.001 UJ	0.00059 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0022
	P66-ROX-101013	10/10/2013		33.66	NE	0.0095 J	0.0646	<0.005		<0.005	0.0141	0.0186	0.0067	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0045
	P66-ROX-110713	11/7/2013		33.66	NE	<0.01	0.03	<0.005		<0.005	0.0088	0.0102	0.0071	<0.005	<0.001	0.0007 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0016
	P66-ROX-012914	1/29/2014		36.39	NE	<0.01	0.008	<0.005		<0.005	0.016	0.0205	0.0053	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0013
	P66-ROX-041114	4/11/2014		37.10	NE	<0.01	0.0052	<0.005		<0.005	0.0129	0.0168	0.0041 J	<0.005	<0.001	0.00052 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0014
	P66-ROX-070714	7/7/2014		35.60	NE	<0.01 UJ	0.0429	<0.005		<0.005	0.0112	0.0147	0.0023 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0016
	P66-ROX-101414	10/14/2014		34.48	NE	<0.01 UJ	0.0212	<0.005		<0.005	0.0135	0.0173	0.0036 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0013
	P66-ROX-011615	1/16/2015		36.62	NE	<0.01	0.0083	<0.005		<0.005	0.0162	0.021	0.0048 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0016
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	<0.01	0.0076	<0.005		<0.005	0.0147	0.0198	0.0045 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0014
	P66-ROX-041415	4/14/2015		38.27	NE	<0.01	0.0223	<0.005		<0.005	0.0127	0.0181	0.0039 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.003
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	<0.01	0.0214	<0.005		<0.005	0.0124	0.0177	0.004 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0027
	P66-ROX-070815	7/8/2015		37.24	NE	<0.01 UJ	0.0404	<0.005		<0.005 UJ	0.0124	0.0164	0.0027 J	<0.005	<0.001	0.00035 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0024
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	<0.01 UJ	0.0424	<0.005		<0.005 UJ	0.0126	0.0167	0.0027 J	<0.005	<0.001	0.00038 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0022
	P66-ROX-101315	10/13/2015		34.84	NE	<0.025	0.0094	<0.001		<0.025	<0.001	0.008	0.0023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	0.0042
	P-66-ROX-010816	1/8/2016	34.72 - 59.72	34.64	NE	<0.025	0.0013	<0.001		<0.025	<0.001	0.01	0.0019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
P-74	P74-ROX-041113	4/11/2013	44.43 - 69.43	42.83	NE	<0.01	0.144	<0.005		<0.01	0.0026 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0086
	P74-ROX-071513	7/15/2013		40.11	NE	<0.0046 U	0.117	<0.005		<0.005	0.0088	0.002 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0017 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0306
	P74-ROX-101413	10/14/2013		41.72	NE	<0.01	1.55	<0.005		<0.005	0.0158	0.003 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0031 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0653
	P74-ROX-012414	1/24/2014		43.35	NE	<0.01	4.45	<0.005		<0.005	0.0252	0.0031 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0031 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.115
	P74-ROX-041514	4/15/2014		44.74	NE	0.0398 J	0.0349	<0.005		<0.005	0.0013 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0043
	P74-ROX-070814	7/8/2014		43.02	NE	<0.01 UJ	0.309	<0.005		<0.005	0.0138	0.0014 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0018 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0374
	P74-ROX-101414	10/14/2014		41.48	NE	<0.01 UJ	0.00068	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P74-ROX-011915	1/19/2015		43.47	NE	<0.01	3.13	<0.005		<0.005	0.0163	0.0022 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0029 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.082
	P74-ROX-041515	4/15/2015		44.61	NE	<0.01	0.032	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.00033 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0058
	P74-ROX-071015	7/10/2015		43.28	NE	0.011	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P74-ROX-101415	10/14/2015		41.75	NE	0.31	1.2	<0.005		<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.005	<0.025	0.056
	P74-ROX-011116	1/11/2016	44.43 - 69.43	40.67	NE	0.023 J	0.0013	<0.001		0.003 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
P-93A	P93A-ROX-041113	4/11/2013	48.17 - 63.17	46.29	NE	<5	120	<2.5		<5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	0.255 J
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	<5	120	<2.5		<5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93A-ROX-071813	7/18/2013		43.25	NE	<0.0053 U	89.1	<0.005		<0.005	<0.005	0.0056	0.0916	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0024 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.162
	P93A-ROX-101113	10/11/2013		44.18	NE	<0.01 UJ	197	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0025 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.264
	P93A-ROX-012914	1/29/2014		46.53	NE	<5	136	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93A-ROX-041714	4/17/2014		47.41	NE	<5	132	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93A-ROX-071814	7/18/2014		45.70	NE	<10	170	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	<10	174	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	P93A-ROX-101514	10/15/2014		45.06	NE	<5	293	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	0.229 J
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	<5	277	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	0.226 J
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	<0.025 UJ	168	<0.001 UJ		<0.005 UJ	0.0023 J	0.0069 J	0.0186 J	<0.002 UJ	<0.001 UJ	<0.001 UJ	0.00078 J J	<0.001 UJ	<0.002 UJ	<0.001 UJ	0.0064 J	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	0.0856 J
	P93A-ROX-041715	4/17/2015		47.02	NE	<0.01	139	<0.005		<0.005	0.00077 J	0.0048 J	0.014	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0036 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0559
	P93A-ROX-071315	7/13/2015		45.93	NE	<1	315	<0.5		<0.5	<0.5	<0.5	<0.5	0.0476 J	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05	0.0361 J
	P93A-ROX-101515	10/15/2015		43.69	NE	<25	260	<1		<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	<25	250	<1		<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1
	P-93A-ROX-011216	1/12/2016	43.07 - 53.07	43.73	NE	<50	430	<2		<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<10	<2
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<50	450	<2		<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2	<10	<2
P-93B	P93B-ROX-041113	4/11/2013	74.60 - 76.60	46.32	NE	<5	618	<2.5		<5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93B-ROX-071813	7/18/2013		43.30	NE	<0.01	296	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.0652
	P93B-ROX-101613	10/16/2013		44.43	NE	<20	187	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	P93B-ROX-101613-DUP	10/16/2013		44.43	NE	<20	180	<10		<10	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	P93B-ROX-012814	1/28/2014		46.58	NE	<10	242	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	P93B-ROX-012814-DUP	1/28/2014		46.58	NE	<10	293	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	P93B-ROX-041714	4/17/2014		47.46	NE	<5	134	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93B-ROX-041714-DUP	4/17/2014		47.46	NE	<5	126	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93B-ROX-071714	7/17/2014		45.75	NE	<0.01 UJ	175	<0.005 UJ		<0.005 UJ	<0.005 UJ	<0.005 UJ	0.00042 J J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.002 UJ	<0.0005 UJ	0.0236 J
	P93B-ROX-101514	10/15/2014		45.15	NE	<5 UJ	241	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93B-ROX-012315	1/23/2015		47.24	NE	<10	564	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	<10	623	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	<1
	P93B-ROX-021915	2/19/2015		47.24	NE	<250	625	<0.5		<2.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5
	P93B-ROX-041615	4/16/2015		48.42	NE	<0.01	400	<0.005		<0.005	<0.005	<0.005	0.001 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0947
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	<10	388	<5		<5	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<1	<1	<1	<1	<2	<2	<0.5	0.249 J
	P93B-ROX-070915	7/9/2015		47.74	NE	<50 UJ	497 J	<25		<25 UJ	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<5	<5	<5	<5	<10	<10	<2.5	<5
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	<20 UJ	371 J	<10		<10 UJ	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<2	<2	<2	<2	<4	<4	<1	<2
	P93B-ROX-101515	10/15/2015		45.18	NE	<63	1200	<2.5		<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<2.5	<13	<2.5
	P93B-ROX-011316	1/13/2016	74.60 - 76.60	44.96	NE	<25	280	<1		<25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.056 [3]		4.2 [1]	0.35 [3]			0.7 [1]	0.005 [1]	0.100 [1]		0.07 [1]				0.6 [2]		0.075 [2]	1.4 [1]	0.005 [2]	0.005 [2]	0.001 [2]	0.7 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
P-93C	P93C-ROX-041213	4/12/2013	94.26 - 96.26	46.21	NE	<0.0056 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93C-ROX-071813	7/18/2013		43.31	NE	<0.01	101	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.0041
	P93C-ROX-080813	8/8/2013		43.31	NE	<0.5	19.1	<0.25		<0.25	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	<0.025	<0.05
	P93C-ROX-101613	10/16/2013		44.31	NE	<0.01	1.4	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93C-ROX-012414	1/24/2014		46.44	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93C-ROX-041714	4/17/2014		47.34	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93C-ROX-071714	7/17/2014		45.61	NE	<0.01	1.55	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.01	0.00075	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	46.77	NE	<1	102	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05	<0.1
	P93C-ROX-021915	2/19/2015		46.77	NE	<25	75.4	<1		<5	<1	<1	<1	<2	<1	<1	<2	<1	<2	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1
	P93C-ROX-041615	4/16/2015		48.22	NE	<1	55.3	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05	<0.1
	P93C-ROX-071315	7/13/2015		47.09	NE	<0.01	0.0365	<0.005		<0.005	<0.005	<0.005	<0.005	<0.00025 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00047 J
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.025	0.011	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	P-93C-ROX-010816	1/8/2016	92.47 - 97.47	44.68	NE	<0.025	0.04	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
P-93D	P93D-ROX-041113	4/11/2013	125.75 - 127.75	46.37	NE	<0.01	<0.0005	<0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93D-ROX-071213	7/12/2013		43.51	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93D-ROX-101113	10/11/2013		44.24	NE	<0.01	0.0014	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93D-ROX-013114	1/31/2014		46.62	NE	<0.01	0.0012	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	0.00062 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	0.0044	<0.0005	<0.001
	P93D-ROX-041414	4/14/2014		47.54	NE	<0.01	0.0022	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	0.00069 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	0.0164	<0.0005	<0.001
	P93D-ROX-071714	7/17/2014		45.78	NE	<0.01	0.00064	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P93D-ROX-101514	10/15/2014		45.14	NE	<0.1	36.4	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	<0.01
	P93D-ROX-110414	11/4/2014		45.14	NE	<0.01	19.9	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	0.0079	<0.0005	0.0013
	P93D-ROX-012315	1/23/2015		42.28	NE	<2.5	62.6	<1.3		<1.3	<1.3	<1.3	<1.3	<1.3	<0.25	<0.25	<0.5	<0.25	<0.5	<1.3	<1.3	<0.25	<0.25	<0.25	<0.25	<0.5	<0.5	<0.13	<0.25
	P93D-ROX-021915	2/19/2015		42.28	NE	<130	240	<2.5		<13	<2.5	<2.5	<2.5	<5	<2.5	<2.5	<5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<2.5	<2.5	<2.5
	P93D-ROX-042015	4/20/2015		48.52	NE	<1	131	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2	<0.05	<0.1
	P93D-ROX-070915	7/9/2015		47.96	NE	<5 UJ	21.2	<2.5		<2.5 UJ	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<0.25	<0.5
	P93D-ROX-101515	10/15/2015		45.28	NE	<2.5	15	<0.1		<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1
	P93D-ROX-011316	1/13/2016	125.75 - 127.75	45.10	NE	<2.5	14	<0.1		<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1	<0.5	<0.1
P-114	P114-ROX-041513	4/15/2013	32.67 - 52.67	31.80	NE	<0.0059 UJ	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-071813	7/18/2013		27.22	NE	<0.251 U	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.245 U	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-101713	10/17/2013		29.43	NE	0.0047 J	0.00074	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-012814	1/28/2014		32.11	NE	0.142	0.0013	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-042114	4/21/2014		32.22	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-071814	7/18/2014		30.87	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-101714	10/17/2014		29.43	NE	<0.01	<0.0005	<0.005		<0.005	0.0052 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	0.0006 J J	<0.002	<0.0005	0.00045 J J
	P114-ROX-012115	1/21/2015		31.53	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-041715	4/17/2015		NM	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
	P114-ROX-070815	7/8/2015		29.16	NE	<0.01 UJ	<0.0005	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	0.0015 J	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.001
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	26.24	NE	<0.025	<0.001	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001
	P114R-ROX-010716	1/7/2016	23.01 - 33.01	25.62	NE	<0.025	0.0004 J	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromobenzene	Butane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	Dichloromethane (Methylene chloride)	1,2-Dichloropropane	trans-1,3-Dichloropropene	Ethylbenzene
					Screening Values (mg/L)	**6.3** [1]	**0.005** [1]	**0.056** [3]		**4.2** [1]	**0.35** [3]			**0.7** [1]	**0.005** [1]	**0.100** [1]		**0.07** [1]				**0.6** [2]		**0.075** [2]	**1.4** [1]	**0.005** [2]	**0.005** [2]	**0.001** [2]	**0.7** [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																							
ROST-3-MW	ROST3MW-ROX-040513	4/5/2013	37.81 - 47.81			<0.005 UJ	0.0605	<0.005		<0.005	<0.005	0.0011 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0012 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	<0.025
	ROST3MW-ROX-071113	7/11/2013		39.50	NE	<0.01 UJ	0.0125	<0.005		<0.005 UJ	<0.005	0.0014 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0014 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.218
	ROST3-MW-ROX-100913	10/9/2013		40.16	NE	<0.01	0.0033	<0.005		<0.0164	0.00073 J	<0.005	<0.005	<0.005	<0.001	<0.001	0.0034	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0182
	ROST3MW-ROX-011714	1/17/2014		42.20	NE	<0.01	0.004	<0.005		<0.005	0.0012 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.008
	ROST3MW-ROX-041014	4/10/2014		42.80	NE	<0.01	0.0075	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0055
	ROST3MW-ROX-071414	7/14/2014		41.88	NE	<0.01	0.0058	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.008
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	<0.01 UJ	0.003	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0398
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	<0.01	0.0022	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0144
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	0.0251	0.0057	<0.005		<0.005	<0.005	<0.005	<0.005	0.00037 J	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0085
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	<0.01	<0.0005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.00066 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.02
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	0.017 J	<0.001	<0.001		0.0064 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.06
	ROST3MW-ROX-011416	1/14/2016	37.81 - 47.81	40.30	NE	<0.025	0.0012	<0.001		<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.027
ROST-4-PZ(C)	ROST4PZC-ROX-041013	4/10/2013	34.95 - 44.95	42.27	NE	<0.01	0.0153 J	<0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.001 UJ	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001	<0.002	<0.002 UJ	<0.0005 UJ	0.0028 J
	ROST4PZC-ROX-071113	7/11/2013		40.18	NE	<0.01 UJ	0.0497	<0.005		<0.005 UJ	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0651
	ROST4PZC-ROX-100913	10/9/2013		39.91	NE	<0.01	0.00066	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0064
	ROST4PZC-ROX-011714	1/17/2014		41.92	NE	<0.01	0.0015	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0039
	ROST4PZC-ROX-041014	4/10/2014		42.05	NE	<0.01	0.0019	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.00059 J
	ROST4C-ROX-071114	7/10/2014		42.22	NE	<0.01	0.0751	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0594
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	<0.01 UJ	0.039	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0688
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	0.016	0.0013	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0035
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	<0.01	0.0694	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.0806
	ROST4PZ-ROX-071315	7/13/2015		41.86	NE	<0.01	0.0683	<0.005		<0.005	<0.005	<0.005	<0.005	<0.0011 U	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.159
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	0.022 J	0.071	<0.001		0.0097 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.005	0.15
	ROST4PZC-ROX-011516	1/15/2016	34.95 - 44.95	40.54	NE	<0.05	0.059	<0.002		<0.05	<0.002	<0.002	<0.002	0.001 J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.01	0.036
T-12	T12-ROX-041513	4/15/2013	46.72 - 72.72	44.99	NE	<0.1 UJ	1.61	<0.05		<0.05	<0.05	0.0595	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	1.03
	T12-ROX-071613	7/16/2013		42.33	NE	<0.01	1.65	<0.005		<0.005	0.0069 J	0.003 J J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0025 J J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.45
	T12-ROX-101513	10/15/2013		43.73	NE	0.0803	2.02	<0.025		0.0246 J	0.0098 J	0.0038 J	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.0025	1.82
	T12-ROX-012414	1/24/2014		45.26	NE	<0.01	2.48	<0.005		<0.005	0.0083	0.0029 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.518
	T12-ROX-041514	4/15/2014		46.72	NE	<0.01 UJ	2.07	<0.005		0.017	0.0062	0.0024 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0018 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	0.376
	T12-ROX-070814	7/8/2014		45.13	NE	0.0658 J	2.14	<0.005		0.0094	0.0096	0.0039 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0024 J	<0.001	<0.001	<0.001	0.0022	<0.002	<0.002	<0.0005	0.614
	T12-ROX-101714	10/17/2014		44.40	NE	<0.1	1.83	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	1.75
	T12-ROX-011915	1/19/2015	46.83 - 72.83	45.27	NE	<0.1	2.02	<0.05		<0.05	0.0115 J	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	0.596
	T12-ROX-041515	4/15/2015		46.73	NE	<0.01	1.69	<0.005		<0.005	0.0094	0.0045 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0025 J	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.0005	1.34
	T12-ROX-071015	7/10/2015		46.09	NE	<0.1	2.3	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.005	0.197
	T12-ROX-101515	10/15/2015		43.72	NE	<0.25	2.5	<0.01		<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	0.2
	T12-ROX-011216	1/12/2016	46.83 - 72.83	44.13	NE	<0.25	1.5	<0.01		<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	0.098

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																							
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
Screening Values (mg/L)							0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																							
MW-01	MW1-ROX-040913	4/9/2013	48.80 - 58.80	42.55	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0012	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-070813	7/8/2013		39.56	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0049	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-100313	10/3/2013		40.28	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0013	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-011414	1/14/2014		42.77	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0018	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-040714	4/7/2014		43.28	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-070914	7/9/2014		42.09	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0035	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00082 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW1-ROX-011215	1/12/2015		42.73	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00084 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-040615	4/6/2015		44.11	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00059 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW1-ROX-010816	1/8/2016	48.80 - 58.80	40.93	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.00078 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-02	MW2-ROX-040913	4/9/2013	49.87 - 59.87	43.70	NE	<0.025	<0.025		<0.025		0.085	<0.025	<0.005	0.0578	0.11	<0.025	<0.005	0.0073	<0.025	<0.025	<0.005	<0.005		0.338	0.155	<0.025	1.01	0.0454	1.05
	MW2-ROX-071113	7/11/2013		40.82	NE	<0.005	<0.005		<0.005 UJ		0.0931	<0.005	0.0062	0.114	0.127	<0.005	<0.001	0.11	<0.005	<0.005	<0.001	<0.001		0.522	0.175	<0.005 UJ	1.88	0.174	1.88
	MW2-ROX-100813	10/8/2013		41.73	NE	<0.005	<0.005		0.0079		0.0983	<0.005	0.0032	0.0939	0.132	<0.005	<0.001	0.0164	<0.005	<0.005	<0.001	<0.001		0.368	0.174	0.0768	0.912	0.0519	0.912
	MW2-ROX-012014	1/20/2014		44.00	NE	<0.005	<0.005		<0.005		0.102	<0.005	<0.001	0.0663	0.133	<0.005	<0.001	0.0099	<0.005	<0.005	<0.001	<0.001		0.264	0.156	<0.005	0.486	0.0304	0.516
	MW2-ROX-041014	4/10/2014		44.66	NE	<0.005	<0.005		<0.005		0.0816	<0.005	<0.001	0.0474	0.106	<0.005	<0.001	0.0072	<0.005	<0.005	<0.001	<0.001		0.181	0.121	<0.005	0.444	0.0275	0.472
	MW2-ROX-071414	7/14/2014		43.13	NE	<0.005	<0.005		<0.005		0.0966 J	<0.005	<0.001	0.0792 J	0.112 J	<0.005	<0.001	0.0113 J	<0.005	<0.005	<0.001	<0.001		0.341 J	0.15 J	<0.005	0.764	0.0845	0.804
	MW2-ROX-101014	10/10/2014		42.49	NE	<0.01	<0.01		<0.01 UJ		0.0675	<0.01	<0.002	0.0512	0.0867	<0.01	<0.002	0.006	<0.01	<0.01	<0.002	<0.002		0.135	0.0901	<0.01	0.26	0.0183	0.278
	MW2-ROX-011615	1/16/2015		44.1	NE	<0.005	0.0031 J		0.0039 J		0.0823	0.0061	<0.001	0.0626	0.107	0.00052 J	<0.001	0.0121	0.0051	0.0044 J	<0.001	0.0015		0.0895	0.102	<0.005	0.207	0.0206	0.228
	MW2-ROX-041315	4/13/2015		45.56	NE	<0.005	<0.005		<0.005		0.0613	<0.005	0.0013	0.068	0.0802	<0.005	<0.001	0.0103	<0.005	<0.005	<0.001	<0.001		0.185	0.0882	<0.005	0.549	0.0495	0.598
	MW2-ROX-071315	7/13/2015		44.53	NE	<0.005	<0.005		<0.005		0.0683	<0.005	<0.001	0.0878	0.0983	<0.005	<0.001	0.0103	<0.0015 U	<0.005	<0.001	<0.001		0.206	0.109	<0.005	0.719	0.0689	0.78
	MW2-ROX-101215	10/12/2015		42.15	NE	<0.002	<0.01		<0.05		0.082	<0.05	<0.002	0.039	0.088	<0.002	<0.002	0.013	<0.002	<0.002	<0.01	<0.002		0.1	0.09	<0.05	0.26	0.023	0.28
	MW2-ROX-011416	1/14/2016	49.87 - 59.87	42.04	NE	<0.002	<0.01		<0.05		0.049	<0.05	<0.002	0.027	0.063	<0.002	<0.002	0.012	<0.002	<0.002	<0.01	<0.002		0.05	0.072	<0.05	0.11	0.01	0.12
MW-03	MW3-ROX-040813	4/8/2013	34.67 - 44.67	29.74	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-071113	7/11/2013		26.32	NE	<0.005	<0.005		<0.005 UJ		0.0049 J	<0.005	0.0035	<0.005	0.0055	<0.005	<0.001	0.0013	<0.005	<0.005	<0.001	<0.001		0.0013 J	<0.005	<0.005 UJ	0.0028	<0.001	0.0028
	MW3-ROX-100813	10/8/2013		27.38	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00075 J	<0.005	0.0021 J	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	0.0197	0.0011	<0.001	0.0011
	MW3-ROX-011614	1/16/2014		29.91	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-040914	4/9/2014		30.50	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-071114	7/10/2014		29.05	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.005	<0.005		<0.005		0.0004 J	<0.005	0.0031	<0.005	0.00053 J	<0.005	<0.001	0.00046 J	<0.005	<0.005	<0.001	<0.001		0.0012 J	<0.005	<0.005 UJ	0.00095 J	<0.001	<0.00095 U
	MW3-ROX-011515	1/15/2015		29.65	NE	<0.005	<0.005		<0.005		0.00065 J	<0.005	0.0101	<0.005	0.0018 J	<0.005	<0.001	0.00062 J	<0.005	<0.005	<0.001	<0.001		0.00071 J	0.00031 J	<0.005	0.0014	<0.001	0.0015
	MW3-ROX-041015	4/10/2015		31.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0012	<0.005	0.00042 J	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	0.00046 J
	MW3-ROX-071015	7/10/2015		30.01	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	0.00062 J	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.00087 J	<0.001	0.00087 J
	MW3-ROX-100915	10/9/2015		27.98	NE	<0.001	<0.005		<0.025		0.007	<0.025	<0.001	<0.001	0.0036	<0.001	<0.001	0.015	<0.001	<0.001	<0.005	<0.001		<0.001	0.00073 J	<0.025	0.055	0.0028 J	0.058
	MW3-ROX-010716	1/7/2016	34.67 - 44.67	27.92	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.008	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-04	MW4-ROX-040913	4/9/2013	45.06 - 55.06	40.90	NE	<0.01	<0.01		<0.01		<0.01	<0.01	0.112	<0.01	<0.01	<0.01	<0.002	0.0057	<0.01	<0.01	<0.002	<0.002		<0.01	<0.01	<0.01	0.0052	<0.002	0.0062
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.125	<0.005	0.004 J	<0.005	<0.001	0.0076	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0073	0.0011	0.0084
	MW4-ROX-071713	7/17/2013		37.61	NE	<0.005	<0.005		0.0041 J		0.0067	<0.005	0.0559	<0.005	0.008	<0.005	<0.001	0.0381	<0.005	<0.005	0.00085 J	<0.001		0.0012 J	<0.005	0.0392 J	0.0302	0.0052	0.0353
	MW4-ROX-101613	10/16/2013		38.80	NE	<0.05 UJ	<0.05		<0.05		<0.05	<0.05	0.0333 J	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01		<0.05	<0.05	<0.05 UJ	<0.01	<0.01	0.0058 J
	MW4-ROX-013014	1/30/2014		41.09	NE	<0.005	<0.005		<0.005		0.0021 J	<0.005	<0.001	<0.005	0.0026 J	<0.005	<0.001	0.0037	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0132	0.0049	0.0181
	MW4-ROX-041614	4/16/2014		41.91	NE	<0.005	<0.005		<0.005		0.00059 J	<0.005	<0.001	<0.005	0.00081 J	<0.005	<0.001	0.00099 J	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0027	0.00039 J	0.0031
	MW4-ROX-071614	7/16/2014		40.18	NE	<0.005	<0.005		<0.005		<0.05	<0.005	<0.001	<0.05	<0.05	<0.005	<0.001	0.006 J	<0.005	<0.005	<0.001	<0.001		<0.05	<0.05	<0.005	<0.01	<0.01	0.0055 J
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.025	<0.025		<0.025		0.0026 J	<0.025	0.0379	<0.025	<0.025	<0.025	<0.005	<0.005	<0.025 UJ	<0.025	<0.005	<0.005		0.0037 J	<0.025	<0.025 UJ	0.0086	0.0022 J	0.0108
	MW4-ROX-012115	1/21/2015		41.27	NE	<0.005	<0.005		<0.005		0.0012 J	<0.005	0.0536	<0.005	0.00093 J	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	<0.001		0.00045 J	<0.005	<0.005	0.006	0.0013	0.0074
	MW4-ROX-042115	4/21/2015		42.58	NE	<0.005	<0.005		<0.005		0.0012 J	<0.005	<0.001	<0.005	0.0013 J	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	<0.001		0.00045 J	<0.005	<0.005	0.0042	0.0011	0.0053
	MW4-ROX-071415	7/14/2015	45.06 - 55.06	41.30	NE	<0.005	<0.005		<0.005		0.0026 J	<0.005	<0.001	<0.005	0.0029 J	<0.005	<0.001	0.0033	<0.005	<0.005	<0.001	<0.001		0.00058 J	0.00024 J	<0.005	0.0082	0.0016	0.0098
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.001	<0.005		<0.025		0.0016	<0.025	0.011	<0.001	0.0015	<0.001	<0.001	0.0014	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	0.0041 J	0.001 J	0.0051
	MW4-ROX-011316	1/13/2016	45.06 - 55.06	39.10	NE	<0.001	<0.005		<0.025		0.0017	<0.025	0.012	<0.001	0.0021	<0.001	<0.001	0.0011	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	0.0047 J	0.0011 J	0.0058

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
Screening Values (mg/L)							0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-05	MW5-ROX-040913	4/9/2013	33.97 - 43.97	29.41	NE	<0.005	<0.005		<0.005		0.00085 J	<0.005	0.0427	<0.005	<0.005	<0.005	<0.001	0.002	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.001	<0.001	0.0014
	MW5-ROX-070913	7/9/2013		26.04	NE	<0.005	<0.005		<0.005		0.0268	<0.005	0.0121	<0.005	0.0132	<0.005	<0.001	0.0029	<0.005	<0.005	0.0018	<0.001		<0.005	<0.005	<0.005 UJ	0.0079	0.0018	0.0097
	MW5-ROX-100813	10/8/2013		26.97	NE	<0.005	<0.005		<0.005		0.0045 J	<0.005	0.0221	<0.005	<0.005	<0.005	<0.001	0.002	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	0.0129	0.0044	0.00097 J	0.0054
	MW5-ROX-011714	1/17/2014		29.59	NE	<0.005	<0.005		<0.005		0.00097 J	<0.005	0.0282	<0.005	<0.005	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0081	0.0045	0.0127
	MW5-ROX-041014	4/10/2014		30.09	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0344	0.001 J	<0.005	<0.005	<0.001	0.0013	<0.005	<0.005	<0.001	<0.001		0.00052 J	<0.005	<0.005	0.0013	0.00095 J	0.0023
	MW5-ROX-071414	7/14/2014		28.59	NE	<0.005	<0.005		<0.005		0.00049 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.0016	<0.005	<0.005	<0.001	<0.001		0.00033 J	<0.005	<0.005	0.002	0.00073 J	0.0027
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.005	<0.005		<0.005 UJ		0.0012 J	<0.005	0.019	<0.005	<0.005	<0.005	<0.001	0.0015	<0.005	<0.005	<0.001	<0.001		0.00058 J	<0.005	<0.005	0.0027	0.0012 J	0.0039
	MW5-ROX-011515	1/15/2015		29.34	NE	<0.005	<0.005		<0.005		0.0057	<0.005	0.0215	<0.005	0.0018 J	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	<0.001		0.00037 J	0.00031 J	<0.005	0.0076	0.0015	0.009
	MW5-ROX-041315	4/13/2015		30.97	NE	<0.005	<0.005		<0.005		0.0076	<0.005	0.0349	<0.005	0.0056	<0.005	<0.001	0.00057 J	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0088	0.00051 J	0.0093
	MW5-ROX-071315	7/13/2015		29.45	NE	<0.005	<0.005		<0.005		0.00097 J	<0.005	0.0413	<0.005	<0.005	<0.005	<0.001	0.00032 J	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0019	0.00032 J	0.0022
	MW5-ROX-101215	10/12/2015		27.53	NE	<0.001	<0.005		<0.025		0.0031	<0.025	0.021	<0.001	<0.001	<0.001	<0.001	0.0019	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	0.0044 J	<0.005	0.0044 J
	MW5-ROX-011416	1/14/2016	33.97 - 43.97	27.19	NE	<0.001	<0.005		<0.025		0.0017	<0.025	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	0.0018 J
MW-06A	MW6A-ROX-040313	4/3/2013	34.83 - 44.83	31.62	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-070913	7/9/2013		28.25	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0027	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0025	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6A-ROX-100713	10/7/2013		28.87	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	0.0131	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-100713-DUP	10/7/2013		28.87	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	0.0132	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-011614	1/16/2014		31.62	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0108	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-011614-DUP	1/16/2014		31.62	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0103	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-040814	4/8/2014		32.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00086 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-040814-DUP	4/8/2014		32.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-071014	7/10/2014		30.75	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0148	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0082	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-011415	1/14/2015		31.54	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-040715	4/7/2015		33.08	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0077	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-071515	7/15/2015		31.52	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0045	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.0053	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6A-ROX-011116	1/11/2016	34.83 - 44.83	29.36	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.0034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-06B	MW6B-ROX-040313	4/3/2013	64.05 - 69.05	31.68	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0132	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-070913	7/9/2013		28.25	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0069	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6B-ROX-100713	10/7/2013		28.93	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	0.0113	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-011614	1/16/2014		31.67	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0069	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-040814	4/8/2014		32.21	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0047	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-071014	7/10/2014		30.81	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0054	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0031	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-040715	4/7/2015		33.10	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0052	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0054	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-071415	7/14/2015		31.56	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0048	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6B-ROX-011116	1/11/2016	64.05 - 69.05	29.41	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.0063	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																							
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)				0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-06C	MW6C-ROX-040313	4/3/2013	84.95 - 89.95	31.41	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0022	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-070913	7/9/2013		28.03	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6C-ROX-100713	10/7/2013		28.72	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	0.00075 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-011614	1/16/2014		31.48	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00068 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-040814	4/8/2014		32.01	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-071014	7/10/2014		30.60	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00057 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-011415	1/14/2015		31.41	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0037	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-071415	7/14/2015		31.38	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6C-ROX-010816	1/8/2016	84.95 - 89.95	29.31	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-06D	MW6D-ROX-040313	4/3/2013	104.72 - 109.72	31.27	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-070913	7/9/2013		27.91	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6D-ROX-100713	10/7/2013		28.58	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-011614	1/16/2014		31.33	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00061 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-040814	4/8/2014		31.85	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00094 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-071014	7/10/2014		31.47	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00054 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.00062 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-040715	4/7/2015		32.74	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6D-ROX-010816	1/8/2016	104.72 - 109.72	29.59	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-07	MW7-ROX-041013	4/10/2013	42.92 - 52.92	42.70	NE	<10	<10		<10		<10	<10	<2	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10	<2	<2	<2
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	<10	<10		<10		<10	<10	<2	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10	<2	<2	<2
	MW7-ROX-071713	7/17/2013		39.60	NE	<0.005	<0.005		<0.005		0.0096 J	<0.005	0.0031 J	0.0185 J	0.0173 J	<0.005	<0.001	0.289 J	<0.005	<0.005	<0.001	<0.001		0.117 J	0.0264 J	0.0094 J	0.455 J	0.183 J	0.639 J
	MW7-ROX-101613	10/16/2013		40.64	NE	<10 UJ	<10		<10		<10	<10	<2 UJ	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10 UJ	<2	<2	<2
	MW7-ROX-013014	1/30/2014		42.94	NE	<13	<13		<13		<13	<13	<2.5	<13	<13	<13	<2.5	<2.5	<13	<13	<2.5	<2.5		<13	<13	<13	<2.5	<2.5	<2.5
	MW7-ROX-041614	4/16/2014		43.79	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<5		<25	<25	<25	<5	<5	<5
	MW7-ROX-071614	7/16/2014		42.05	NE	<0.005	<0.005		<0.005		0.0127 J	<0.005	<0.001	0.0165 J	0.0197 J	<0.005	<0.001	0.224 J	<0.005	<0.005	<0.001	<0.001		0.143 J	0.0324 J	<0.005	0.48 J	0.187 J	0.667 J
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	<0.005	<0.005		<0.005		0.0131 J	<0.005	<0.001	0.0141 J	0.0194 J	<0.005	<0.001	0.222 J	<0.005	<0.005	<0.001	<0.001		0.142 J	0.0318 J	<0.005	0.465 J	0.181 J	0.647 J
	MW7-ROX-101614	10/16/2014		41.31	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25 UJ	<25	<5	<5		<25	<25	<25 UJ	<5	<5	<5
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25 UJ	<25	<5	<5		<25	<25	<25 UJ	<5	<5	<5
	MW7-ROX-012215	1/22/2015		43.45	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	MW7-ROX-042115	4/21/2015		44.63	NE	<0.25	<0.25		<0.25		<0.25	<0.25	<0.05	<0.25	<0.25	<0.25	<0.05	0.295	<0.25	<0.25	<0.05	<0.05		0.0791 J	0.0174 J	<0.25	0.116	0.0357 J	0.152
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	<0.25	<0.25		<0.25		<0.25	<0.25	<0.05	<0.25	<0.25	<0.25	<0.05	0.285	<0.25	<0.25	<0.05	<0.05		0.0784 J	0.0173 J	<0.25	0.116	0.0369 J	0.153
	MW7-ROX-071515	7/15/2015		43.54	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<5		<25	<25	<25	<5	<5	<5
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<5		<25	<25	<25	<5	<5	<5
	MW7-ROX-101915	10/19/2015		41.43	NE	<10	<50		<250		<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10		<10	<10	<250	<50	<50	<50
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<10	<50		<250		<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<50	<10		<10	<10	<250	<50	<50	<50
	MW7-ROX-011416	1/14/2016	42.92 - 52.92	41.02	NE	<5	<25		<130		<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5		<5	<5	<130	<25	<25	<25
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	<5	<25		<130		<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5		<5	<5	<130	<25	<25	<25

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																								
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
Screening Values (mg/L)							0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																								
MW-08	MW8-ROX-041013	4/10/2013	33.60 - 43.60	33.77	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<5		<25	<25	<25	<5	<5	<5
	MW8-ROX-071713	7/17/2013		30.43	NE	<0.005	<0.005		<0.005		0.0173	<0.005	0.197	0.0335	0.0374	<0.005	<0.001	0.348	<0.005	<0.005	<0.001	<0.001		0.199	0.0598	<0.005 UJ	1.01	0.361	1.3
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	<0.005	<0.005		<0.005		0.0174	<0.005	0.187	0.0347	0.0383	<0.005	<0.001	0.341	<0.005	<0.005	<0.001	<0.001		0.203	0.0613	<0.005 UJ	0.818 J	0.364	1.05
	MW8-ROX-101613	10/16/2013		31.59	NE	<10 UJ	<10		<10		<10	<10	<2 UJ	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10 UJ	<2	<2	<2
	MW8-ROX-101613-DUP	10/16/2013		31.59	NE	<10 UJ	<10		<10		<10	<10	<2 UJ	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10 UJ	<2	<2	<2
	MW8-ROX-013014	1/30/2014		34.02	NE	<13	<13		<13		<13	<13	1.92 J	<13	<13	<13	<2.5	<2.5	<13	<13	<2.5	<2.5		<13	<13	<13	<2.5	<2.5	<2.5
	MW8-ROX-013014-DUP	1/30/2014		34.02	NE	<13	<13		<13		<13	<13	1.99 J	<13	<13	<13	<2.5	<2.5	<13	<13	<2.5	<2.5		<13	<13	<13	<2.5	<2.5	<2.5
	MW8-ROX-041614	4/16/2014		34.73	NE	<10	<10		<10		<10	<10	<2	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10	<2	<2	<2
	MW8-ROX-041614-DUP	4/16/2014		34.73	NE	<10	<10		<10		<10	<10	<2	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10	<2	<2	<2
	MW8-ROX-071614	7/16/2014		33.01	NE	<0.005 UJ	<0.005 UJ		<0.005 UJ		0.0266 J	<0.005 UJ	0.392 J	0.0598 J	0.0606 J	<0.005 UJ	<0.001 UJ	0.108 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ		0.226 J	0.0904 J	<0.005 UJ	0.377 J	0.141 J	0.518 J
	MW8-ROX-101614	10/16/2014		32.23	NE	<5	<5		<5		<5	<5	1.19	<5	<5	<5	<1	<1	<5 UJ	<5	<1	<1		<5	<5	<5 UJ	<1	<1	<1
	MW8-ROX-012215	1/22/2015		34.22	NE	<5	<5		<5		<5	<5	0.906 J	<5	<5	<5	<1	0.259 J	<5	<5	<1	<1		<5	<5	<5	<1	<1	0.318 J
	MW8-ROX-042115	4/21/2015		35.41	NE	<0.25	<0.25		<0.25		<0.25	<0.25	0.506	<0.25	0.0251 J	<0.25	<0.05	0.325	<0.25	<0.25	<0.05	<0.05		0.0473 J	0.0241 J	<0.25	0.164	0.0552	0.22
	MW8-ROX-071515	7/15/2015		34.07	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<5		<25	<25	<25	<5	<5	<5
	MW8-ROX-101915	10/19/2015		32.30	NE	<5	<25		<130		<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<25	<5		<5	<5	<130	<25	<25	<25
	MW8-ROX-011416	1/14/2016	33.60 - 43.60	31.79	NE	<2	<10		<50		<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2		<2	<2	<50	<10	<10	<10
MW-09	MW9-ROX-040913	4/9/2013	46.45 - 56.45	44.67	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-070813	7/8/2013		42.35	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-100313	10/3/2013		42.27	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-011414	1/14/2014		44.47	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-040714	4/7/2014		44.99	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-070914	7/9/2014		44.35	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW9-ROX-011315	1/13/2015		44.21	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-040915	4/9/2015		45.38	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-070915	7/9/2015		44.81	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW9-ROX-011316	1/13/2016	46.45 - 56.45	42.63	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-10	MW10-ROX-040913	4/9/2013	44.43 - 54.43	44.60	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-070813	7/8/2013		42.27	NE	<0.005	<0.005		<0.005	1.9	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-100313	10/3/2013		42.38	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-011514	1/15/2014		44.42	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-040714	4/7/2014		45.00	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-070914	7/9/2014		44.35	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-070915	7/9/2015		44.93	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW10-ROX-011316	1/13/2016	44.43 - 54.43	42.53	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005

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						VOCs																							
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-11	MW11-ROX-040813	4/8/2013	41.66 - 51.66	42.02	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-070813	7/8/2013		39.24	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-100713	10/7/2013		39.95	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-011514	1/15/2014		42.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-040714	4/7/2014		42.70	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-070914	7/9/2014		41.75	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW11-ROX-011216	1/12/2016	41.66 - 51.66	40.33	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-12	MW12-ROX-040813	4/8/2013	41.92 - 51.92	42.46	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-070913	7/9/2013		39.28	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW12-ROX-100713	10/7/2013		40.22	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-011514	1/15/2014		42.54	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-040814	4/8/2014		43.15	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-070914	7/9/2014		41.97	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW12-ROX-011215	1/12/2015		42.33	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-040615	4/6/2015		43.75	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-070815	7/8/2015		42.86	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW12-ROX-011116	1/11/2016	41.92 - 51.92	40.98	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-13	MW13-ROX-041213	4/12/2013	25.57 - 35.57	29.44	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0093	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-071213	7/12/2013		25.67	NE	<0.005	<0.005 UJ		<0.005		<0.005	<0.005	0.0094	<0.005	0.00064 J	<0.005	<0.001 UJ	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW13-ROX-100913	10/9/2013		26.94	NE	<0.005	<0.005 UJ		<0.005		<0.005	<0.005	0.0072	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-012914	1/29/2014		29.63	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-041114	4/11/2014		30.15	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0062	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-070714	7/7/2014		28.49	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0091	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	0.0045	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	0.0011
	MW13-ROX-011615	1/16/2015		29.09	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.001	0.00076 J	<0.005	<0.005	<0.001	<0.001		0.00064 J	<0.005	<0.005	0.0022	0.00072 J	0.003
	MW13-ROX-041415	4/14/2015		30.71	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0075	<0.005	<0.005	<0.005	<0.001	0.00035 J	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.00057 J	0.00024 J	0.00082 J
	MW13-ROX-070815	7/8/2015		29.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0054	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW13-ROX-010716	1/7/2016	25.57 - 35.57	27.16	NE	<0.001	<0.005		<0.025		0.008	<0.025	0.013	<0.001	0.011	<0.001	<0.001	0.033	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	0.059	0.0038 J	0.063

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
				Screening Values (mg/L)			0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																						
MW-14	MW14-ROX-041113	4/11/2013	33.42 - 43.42	33.31	NE	<0.005	<0.005		<0.005		0.0346	<0.005	<0.001	<0.005	0.0206	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0038	<0.001	0.0043
	MW14-ROX-071213	7/12/2013		30.36	NE	<0.005	<0.005 UJ		<0.005		0.0168	<0.005	<0.001	<0.005	0.0109	<0.005	<0.001 UJ	0.00059 J	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	0.0026	<0.001	0.0029
	MW14-ROX-101013	10/10/2013		30.80	NE	<0.005	<0.005		<0.005		0.0011 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		0.00088 J	0.0011 J	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-012914	1/29/2014		33.67	NE	<0.005	<0.005		<0.005		0.0036 J	<0.005	<0.001	<0.005	0.002 J	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-041114	4/11/2014		34.30	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-070714	7/7/2014		32.82	NE	<0.005	<0.005		<0.005		0.00073 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-101414	10/14/2014		31.65	NE	<0.005	<0.005		<0.005 UJ		0.00043 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	0.00041 J
	MW14-ROX-011615	1/16/2015		33.58	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.00042 J	<0.005	<0.005	<0.001	<0.001		0.00032 J	<0.005	<0.005	0.00072 J	<0.001	0.001
	MW14-ROX-041415	4/14/2015		35.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-070915	7/9/2015		34.06	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.0011 U	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW-14-ROX-010816	1/8/2016	33.42 - 43.42	31.64	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-16	MW16-ROX-040813	4/8/2013	37.06 - 47.06	43.39	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-070813	7/8/2013		40.62	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-100813	10/8/2013		41.62	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-011514	1/15/2014		43.76	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-040914	4/9/2014		44.63	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-071014	7/10/2014		43.15	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-070915	7/9/2015		44.26	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	0.00038 J		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.0048 U	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.00097 J	<0.001	0.00097 J
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW16-ROX-011216	1/12/2016	37.06 - 47.06	41.99	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.01
MW-22	MW22-ROX-040513	4/5/2013	37.88 - 47.88	42.23	NE	<0.005	<0.005		<0.005		0.159 J	0.0124 J	<0.001	0.286 J	0.29 J	<0.005	<0.001	6.14	<0.005	<0.005	<0.001	<0.001		0.931	0.379 J	<0.005	5.15	2.64	7.79
	MW22-ROX-071113	7/11/2013		39.35	NE	<0.005	<0.005		<0.005 UJ		0.131	0.0102	<0.001	0.345	0.242	<0.005	<0.001	3.92	<0.005	<0.005	<0.001	<0.001		0.864	0.309	<0.005 UJ	4.13	2.26	6.39
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	<0.005	<0.005		<0.005 UJ		0.133	0.0103	<0.001	0.362	0.245	<0.005	<0.001	3.57	<0.005	<0.005	<0.001	<0.001		0.754	0.311	<0.005 UJ	3.83	2.05	5.88
	MW22-ROX-100913	10/9/2013		40.39	NE	<0.005	<0.005 UJ		<0.005		0.137	0.0101	<0.001	0.47	0.244	<0.005	<0.001	6.02	<0.005	<0.005	<0.001	<0.001		1.37	0.357	<0.005	7.46	3.48	10.9
	MW22-ROX-100913-DUP	10/9/2013		40.39	NE	<0.005	<0.005 UJ		<0.005		0.136	0.0084	<0.001	0.445	0.243	<0.005	<0.001	6.32	<0.005	<0.005	<0.001	<0.001		1.43	0.343	<0.005	7.75	3.65	11.4
	MW22-ROX-012014	1/20/2014		42.49	NE	<0.005	<0.005		0.0082		0.169	0.007	<0.001	0.287	0.287	<0.005	<0.001	5.33	<0.005	<0.005	<0.001	<0.001		1.3	0.298	<0.005	5.65	2.65	8.29
	MW22-ROX-012014-DUP	1/20/2014		42.49	NE	<0.005	<0.005		0.0088		0.169	0.007	<0.001	0.262	0.286	<0.005	<0.001	5.71	<0.005	<0.005	<0.001	<0.001		1.37	0.398	<0.005	6.01	2.81	8.83
	MW22-ROX-041014	4/10/2014		43.15	NE	<0.005	<0.005		<0.005		0.157	<0.005	<0.001	0.334	0.254	<0.005	<0.001	5.95	<0.005	<0.005	<0.001	<0.001		1.1	0.384	<0.005	6.85	3.38	10.2
	MW22-ROX-041014-DUP	4/10/2014		43.15	NE	<0.005	<0.005		<0.005		0.138	0.0082	<0.001	0.28	0.235	<0.005	<0.001	5.52	<0.005	<0.005	<0.001	<0.001		1	0.35	<0.005	6.23	3.12	9.35
	MW22-ROX-071414	7/14/2014		41.85	NE	<0.005	<0.005		<0.005		0.153 J	<0.005	<0.001	0.282 J	0.205 J	<0.005	<0.001	3.14	<0.005	<0.005	<0.001	<0.001		0.353 J	0.262 J	<0.005	3.78	1.85	5.64
	MW22-ROX-101014	10/10/2014		41.43	NE	<0.05	<0.05		<0.05 UJ		0.0661	<0.05	<0.01	0.202	0.112	<0.05	<0.01	2.3	<0.05	<0.05	<0.01	<0.01		0.688	0.207	<0.05	3.08	1.74	4.82
	MW22-ROX-011615	1/16/2015		42.19	NE	<0.05	<0.05		<0.05		0.11	0.0111 J	<0.01	0.339	0.2	<0.05	<0.01	3.24	0.0129 J	0.0106 J	<0.01	<0.01		1.05	0.373	<0.05	5.19	2.74	7.93
	MW22-ROX-041415	4/14/2015		43.71	NE	<0.005	<0.005		<0.005		0.124	<0.005	<0.001	0.315	0.219	<0.005	<0.001	4.3	<0.005	<0.005	<0.001	<0.001		1.04	0.321	<0.005	6.26	3.09	9.35
	MW22-ROX-071515	7/15/2015		42.64	NE	<0.1	<0.1		<0.1		0.0926 J	<0.1	<0.02	0.219	0.185	<0.1	<0.02	5.05	<0.1	<0.1	<0.02	<0.02		1.31	0.296	<0.1	6.7	3.48	10.2
	MW22-ROX-101415	10/14/2015		40.54	NE	<0.02	<0.1		<0.5		0.048	<0.5	<0.02	0.18	0.075	<0.02	<0.02	0.96	<0.02	<0.02	<0.1	<0.02		0.47	0.11	<0.5	3	1.6	4.6
	MW22-ROX-011516	1/15/2016	37.88 - 47.88	40.42	NE	<0.02	<0.1		<0.5		0.08	<0.5	<0.02	0.26	0.13	<0.02	<0.02	1.8	<0.02	<0.02	<0.1	<0.02		0.81	0.21	<0.5	3.2	1.9	5
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	<0.02	<0.1		<0.5		0.075	<0.5	<0.02	0.23	0.12	<0.02	<0.02	1.7	<0.02	<0.02	<0.1	<0.02		0.74	0.19	<0.5	2.9	1.7	4.7
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.005	<0.002		<0.01		<0.001	<0.005	0.0037	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.002	<0.002	<0.01	<0.002	<0.001	<0.003
	MW23-ROX-040815	4/8/2015		32.24	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0039	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	0.004 J	<0.005	<0.005	<0.001	<0.001	<0.0011 U	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.00062 J	<0.001	0.00062 J
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW-23-ROX-010716	1/7/2016	29.02 - 39.02	28.78	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																							
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																							
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	<0.001		0.00051 J	<0.005	<0.005	0.0021	0.0009 J	0.003
	MW24-ROX-071113	7/11/2013		40.35	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW24-ROX-100913	10/9/2013		41.27	NE	<0.005	<0.005 UJ		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-011514	1/15/2014		43.47	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-040914	4/9/2014		44.13	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-071114	7/10/2014		42.97	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-011315	1/13/2015		43.17	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW24-ROX-011316	1/13/2016	38.89 - 48.89	41.44	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<10	<10		<10		<10	<10	<2	<10	<10	<10	<2	2.65	<10	<10	<2	<2		<10	<10	<10	<2	<2	0.753 J
	MW25-ROX-012215	1/22/2015		38.45	NE	<1.3	<1.3		<1.3		<1.3	<1.3	0.282	<1.3	<1.3	<1.3	<0.25	<0.25	<1.3	<1.3	<0.25	<0.25		<1.3	<1.3	<1.3	<0.25	<0.25	0.0821 J
	MW25-ROX-042115	4/21/2015		39.71	NE	<0.25	<0.25		<0.25		<0.25	<0.25	0.125	<0.25	<0.25	<0.25	<0.05	<0.05	<0.25	<0.25	<0.05	<0.05		<0.25	<0.25	<0.25	<0.05	<0.05	<0.05
	MW25-ROX-071515	7/15/2015		38.40	NE	<1	<1		<1		<1	<1	<0.2	<1	<1	<1	0.0577 J	<0.2	<1	<1	<0.2	<0.2		<1	<1	<1	<0.2	<0.2	<0.2
	MW25-ROX-101915	10/19/2015		36.55	NE	<0.1	<0.5		<2.5		<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1		<0.1	<0.1	<2.5	<0.5	<0.5	<0.5
	MW25-ROX-011416	1/14/2016	35.59 - 45.59	36.12	NE	<0.02	<0.1		<0.5		<0.02	<0.5	0.042	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02		<0.02	<0.02	<0.5	<0.1	<0.1	<0.1
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.002	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW26-ROX-010716	1/7/2016	38.15 - 48.15	39.55	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW27-ROX-011515	1/15/2015		42.06	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW27-ROX-041015	4/10/2015		43.22	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW27-ROX-011316	1/13/2016	39.79 - 49.79	40.68	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.005	<0.005		<0.005		0.00075 J	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.0011	<0.005	<0.005	<0.001	<0.001		0.0036 J	0.00059 J	<0.005	0.0036	0.0051	0.0087
	MW28-ROX-011515	1/15/2015		41.14	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.00026 J	<0.005	<0.005	<0.001	<0.001		0.00059 J	<0.005	<0.005	0.0012	0.00092 J	0.0021
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	0.00042 J	0.00042 J
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		0.00031 J	<0.005	<0.005	<0.001	<0.001	<0.001
	MW28-ROX-101215	10/12/2015		40.04	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	0.0017 J
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	MW28-ROX-011416	1/14/2016	33.61 - 43.61	39.98	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																							
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
Screening Values (mg/L)							0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																							
P-54	P54-ROX-041013	4/10/2013	38.00 - 63.00	41.80	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-050313	5/3/2013		41.80	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-071113	7/11/2013		39.07	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P54-ROX-100813	10/8/2013		39.94	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-011514	1/15/2014		42.20	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-040914	4/9/2014		42.80	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-071114	7/10/2014		41.71	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-100814	10/8/2014		40.88	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-011415	1/14/2015		41.79	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-041015	4/10/2015		43.20	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-070915	7/9/2015		42.25	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.0037 U	<0.005	<0.005	<0.001	<0.001	<0.005	<0.00092 U	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	0.00028 J
	P54-ROX-100915	10/9/2015		40.20	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P54-ROX-011216	1/12/2016	38.00 - 63.00	40.22	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
P-55R	P55-ROX-041513	4/15/2013	40.43 - 50.43	43.63	NE	<0.01	<0.01		<0.01		0.068	<0.01	<0.002	0.0974 J	0.148	<0.01	<0.002	0.143	<0.01	<0.01	<0.002	<0.002		0.0241	0.0229	<0.01	0.235	0.362	0.597
	P55-ROX-071613	7/16/2013		40.06	NE	<0.005	<0.005 UJ		<0.005	0.72	0.0884	<0.005	<0.001	0.0841	0.175	<0.005	<0.001	0.343	<0.005	<0.005	<0.001	<0.001		0.073	0.0559	<0.005 UJ	0.535	0.558	1.11
	P55-ROX-101013	10/10/2013		41.67	NE	<0.005	<0.005		<0.005		0.0851	<0.005	0.001	0.121	0.167	<0.005	<0.001	0.601	<0.005	<0.005	<0.001	<0.001		0.151	0.062	<0.005	0.739	0.639	1.38
P-56	P56-ROX-041213	4/12/2013	40.82 - 65.82	46.12	NE	<0.01	<0.01		<0.01		0.0581	<0.01	<0.002	0.0964 J	0.0805	<0.01	<0.002	0.0799	<0.01	<0.01	<0.002	<0.002		0.27	0.0486	<0.01	1	0.0243	1.03
	P56-ROX-071513	7/15/2013		43.25	NE	<0.005	<0.005		<0.005		0.0968	<0.005	<0.001	0.316	0.145	<0.005	<0.001	0.311	<0.005	<0.005	<0.001	<0.001		0.551	0.134	<0.005	2.67	0.21	2.85
	P56-ROX-101013	10/10/2013		44.48	NE	<0.005	<0.005		<0.005		0.0822	<0.005	0.00058 J	0.156	0.105	<0.005	<0.001	0.157	<0.005	<0.005	<0.001	<0.001		0.33	0.0714	<0.005	1.7	0.0617	1.76
	P56-ROX-012214	1/22/2014		46.35	NE	<0.005	<0.005		<0.005		0.0399	<0.005	<0.001	0.0566	0.0426	<0.005	<0.001	0.0263	<0.005	<0.005	<0.001	<0.001		0.074	0.0172	<0.005	0.224	0.0093	0.233
	P56-ROX-041414	4/14/2014		47.32	NE	<0.005	<0.005		<0.005		0.0781	<0.005	<0.001	0.0836	0.0951	<0.005	<0.001	0.0669	<0.005	<0.005	<0.001	<0.001		0.205	0.0472	<0.005	0.742	0.0156	0.758
	P56-ROX-070814	7/8/2014		45.97	NE	<0.005	<0.005		<0.005		0.106 J	<0.005	<0.001	0.156 J	0.133 J	<0.005	<0.001	0.288 J	<0.005	<0.005	<0.001	<0.001		0.487 J	0.166 J	<0.005	2.04 J	0.122 J	2.09 J
	P56-ROX-101314	10/13/2014		45.05	NE	<0.005	<0.005		<0.005 UJ		0.0645	<0.005	<0.001	0.0679	0.0709	<0.005	<0.001	0.0183	<0.005	<0.005	<0.001	<0.001		0.0657	0.0194	<0.005	0.17	0.0066	0.176
	P56-ROX-011915	1/19/2015		46.58	NE	<0.005	<0.005		<0.005		0.0532	<0.005	<0.001	0.0261	0.0574	<0.005	<0.001	0.0114	<0.005	<0.005	<0.001	<0.001		0.0466	0.0135	<0.005	0.143	0.0043	0.148
	P56-ROX-041515	4/15/2015		48.05	NE	<0.005	<0.005		<0.005		0.0768	<0.005	<0.001	0.0754	0.0918	<0.005	<0.001	0.068	<0.005	<0.005	<0.001	<0.001		0.189	0.0454	<0.005	0.737	0.0124	0.749
	P56-ROX-071015	7/10/2015		47.34	NE	<0.005	<0.005		<0.005		0.057	<0.005	<0.001	0.0158	0.0594	<0.005	<0.001	0.005	<0.005	<0.005	<0.001	<0.001		0.0063	0.0041 J	<0.005	0.0702	0.0035	0.0737
	P56-ROX-101415	10/14/2015		44.85	NE	<0.001	<0.005		<0.025		0.027	0.011 J	<0.001	0.016	0.031	<0.001	<0.001	0.0077	<0.001	<0.001	<0.005	<0.001		0.029	0.0077	<0.025	0.1	0.0031 J	0.1
	P56-ROX-011116	1/11/2016	40.82 - 65.82	44.78	NE	<0.005	<0.025		<0.13		0.031	<0.13	<0.005	0.023	0.036	<0.005	<0.005	0.016	<0.005	<0.005	<0.025	<0.005		0.063	0.016	<0.13	0.22	0.0062 J	0.22
P-57	P57-ROX-041113	4/11/2013	40.46 - 65.46	46.29	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		0.494 J	<2.5	<2.5	<0.5	<0.5	<0.5
	P57-ROX-071613	7/16/2013		43.38	NE	<0.005	<0.005 UJ		<0.005		0.0698 J	<0.005	0.112 J	0.203 J	0.0802 J	<0.005	<0.001	0.202 J	<0.005	<0.005	<0.001	<0.001		<5	0.129 J	<0.005 UJ	1.81	0.256 J	2.01
	P57-ROX-101413	10/14/2013		44.38	NE	<0.005	<0.005		<0.005		0.0539	<0.005	0.107	0.206	0.0586	<0.005	<0.001	0.0421	<0.005	<0.005	<0.001	<0.001		0.763 J	0.12	<0.005	0.468	0.0206	0.489
	P57-ROX-020314	2/3/2014		46.57	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P57-ROX-041514	4/15/2014		46.70	NE	<0.005	<0.005		0.0062		0.0492	<0.005	0.0563	0.272	0.0585	<0.005	<0.001	0.0248	0.0015 J	<0.005	<0.001	<0.001		0.503 E J	0.114	<0.005	0.296	0.0143	0.311
	P57-ROX-070814	7/8/2014		45.95	NE	<0.005 UJ	<0.005 UJ		<0.005 UJ		0.0656 J	<0.005 UJ	<0.001 UJ	0.128 J	0.0605 J	<0.005 UJ	<0.001 UJ	0.154 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ		0.375 J	0.0913 J	<0.005 UJ	1.46	0.237	1.7
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	<0.005 UJ	<0.005 UJ		<0.005 UJ		0.0689 J	<0.005 UJ	<0.001 UJ	0.139 J	0.0633 J	<0.005 UJ	<0.001 UJ	0.16 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ		0.392 J	0.0954 J	<0.005 UJ	1.56	0.234	1.79
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	<10	<10		<10 UJ		<10	<10	<2	<10	<10	<10	<2	0.849 J	<10	<10	<2	<2		1.18 J	<10	<10	2.37	0.949 J	3.32 J
	P57-ROX-101414	10/14/2014		45.00	NE	<10	<10		<10 UJ		<10	<10	<2	2.05 J	<10	<10	<2	2.65	<10	<10	<2	<2		2.37 J	<10	<10	5.79	2.1	7.89 J
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		0.652 J	<2.5	<2.5	0.342 J	<0.5	0.342 J
	P57-ROX-042015	4/20/2015		48.73	NE	<0.25	<0.25		<0.25		0.0246 J	<0.25	<0.05	<0.25	0.0468 J	<0.25	<0.05	0.0376 J	<0.25	<0.25	<0.05	<0.05		0.305	0.0323 J	<0.25	0.14	0.0141 J	0.154
	P57-ROX-071315	7/13/2015		47.81	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	0.44 J		<5	<5	<5	<1	<1	0.237 J
	P57-ROX-101515	10/15/2015		45.56	NE	<1	<5		<25		<1	<25	<1	<1	<1	<1	<1	1.8	<1	<1	<5	<1		<1	<1	<25	<5	<5	0.63 J
	P57-ROX-011216	1/12/2016	44.19 - 54.19	45.61	NE	<1	<5		<25		<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1		<1	<1	<25	<5	<5	0.83 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																							
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
			Screening Values (mg/L)				**0.007** [3]	**0.42** [3]	**0.035** [3]		**0.7** [1]	**0.56** [3]	**0.07** [1]	**0.14** [1]	**0.7** [3]	**0.1** [1]	**0.005** [1]	**1.0** [1]	**0.0056** [3]	**0.07** [1]	**0.005** [1]	**0.005** [1]			**0.07** [3]	**7.0** [2]	**10** [1]		**10** [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																							
P-58	P58-ROX-041113	4/11/2013	40.21 - 65.21	44.40	NE	<10	<10		<10		<10	<10	<2	<10	<10	<10	<2	<2	<10	<10	<2	<2		0.926 J	<10	<10	<2	<2	<2
	P58-ROX-071613	7/16/2013		41.49	NE	<0.005	<0.005 UJ		<0.005		0.101	<0.005	<0.001	0.234	0.131	<0.005	<0.001	0.147	<0.005	<0.005	<0.001	<0.001		0.634 J	0.13	<0.005 UJ	0.723	0.12	0.843
	P58-ROX-101413	10/14/2013		42.19	NE	<0.005	<0.005		<0.005		0.0999	0.0055	0.0015	0.234	0.135	<0.005	<0.001	0.2	<0.005	<0.005	<0.001	<0.001		1.17 J	0.131	<0.005	0.74	0.112	0.852
	P58-ROX-020314	2/3/2014		44.66	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P58-ROX-041514	4/15/2014		45.66	NE	<0.005	<0.005		<0.005		0.0777 J	<0.005	<0.001	0.277 J	0.104 J	<0.005	<0.001	0.127 J	<0.005	<0.005	<0.001	<0.001		0.53 E J	0.0992 J	<0.005	0.552 J	0.0908 J	0.643 J
	P58-ROX-071814	7/18/2014		43.80	NE	<10	<10		<10		<10	<10	<2	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10	<2	<2	<2
	P58-ROX-101514	10/15/2014		43.14	NE	<2.5	<2.5		<2.5		1.43 J	<2.5	<0.5	<2.5	0.781 J	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		0.72 J	0.453 J	<2.5	<0.5	0.253 J	0.718
	P58-ROX-012315	1/23/2015		45.32	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		0.714 J	<5	<5	0.686 J	<1	0.686 J
	P58-ROX-042015	4/20/2015		46.67	NE	<0.05	<0.05		<0.05		0.0575	<0.05	<0.01	0.12	0.0762	<0.05	<0.01	0.101	<0.05	<0.05	<0.01	<0.01		0.549	0.0691	<0.05	0.433	0.0525	0.486
	P58-ROX-071415	7/14/2015		45.54	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	0.285 J
	P58-ROX-101615	10/16/2015		43.45	NE	<2	<10		<50		<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<50	<10	<10	<10
	P58-ROX-011316	1/13/2016	40.21 - 65.21	43.18	NE	<2	<10		<50		<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2		<2	<2	<50	<10	<10	<10
P-59	P59-ROX-041213	4/12/2013	47.91 - 72.91	46.95	NE	<0.25	<0.25		<0.25		0.062 J	<0.25	<0.05	0.664	0.136 J	<0.25	<0.05	0.523	<0.25	<0.25	<0.05	<0.05		0.946	<0.25	<0.25	6.52	0.646	7.16
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	<0.25	<0.25		<0.25		0.0543 J	<0.25	<0.05	0.547	0.117 J	<0.25	<0.05	0.463	<0.25	<0.25	<0.05	<0.05		0.843	<0.25	<0.25	5.89	0.591	6.48
	P59-ROX-071613	7/16/2013		44.13	NE	<0.005	<0.005 UJ		<0.005		0.074 J	<0.005	<0.001	0.215 J	0.149 J	<0.005	<0.001	1.03	<0.005	<0.005	<0.001	<0.001		0.784	0.219	<0.005 UJ	5.76	0.431	6.19
	P59-ROX-101013	10/10/2013		45.50	NE	<0.005	<0.005		<0.005		0.086	<0.005	0.0012	0.285	0.176	<0.005	<0.001	2.89	<0.005	<0.005	<0.001	<0.001		1.14	0.273	<0.005	7.47	1.28	8.75
	P59-ROX-020314	2/3/2014		47.35	NE	<0.1	<0.1		<0.1		0.0409 J	<0.1	<0.02	0.0321 J	0.0824 J	<0.1	<0.02	0.66	<0.1	<0.1	<0.02	<0.02		0.621	0.193	<0.1	3.79	0.438	4.23
	P59-ROX-041514	4/15/2014		48.60	NE	<0.005	<0.005		0.054		0.0495	<0.005	<0.001	0.196	0.0798	<0.005	<0.001	0.746	0.0027 J	<0.005	<0.001	<0.001		0.385	0.214	<0.005	4.83	0.902	5.73
	P59-ROX-070814	7/8/2014		47.69	NE	<0.005	<0.005		<0.005		0.0948 J	<0.005	<0.001	0.228 J	0.16 J	<0.005	<0.001	1.55	<0.005	<0.005	<0.001	<0.001		0.607	0.285 J	<0.005	4.48	0.929	5.41
	P59-ROX-101414	10/14/2014		46.18	NE	<0.005	<0.005		<0.005 UJ		0.0932 J	<0.005	0.0041 J	0.38 J	0.188 J	<0.005	<0.001	1.13	<0.005	<0.005	<0.001	<0.001		0.901	0.26 J	<0.005	5.14	1.03	6.17
	P59-ROX-011915	1/19/2015		47.42	NE	<0.5	<0.5		<0.5		0.0619 J	<0.5	<0.1	0.572	0.108 J	<0.5	<0.1	0.375	<0.5	<0.5	<0.1	<0.1		0.609	0.21 J	<0.5	4.95	0.245	5.2
	P59-ROX-041615	4/16/2015		48.83	NE	<0.05	<0.05		<0.05		0.0432 J	<0.05	<0.01	0.161	0.0763	<0.05	0.0032 J	0.69	<0.05	<0.05	<0.01	<0.01		0.576	0.177	<0.05	4.78	0.534	5.32
	P59-ROX-071315	7/13/2015		47.85	NE	<0.13	<0.13		<0.13		0.0111 J	<0.13	<0.025	0.162	0.0211 J	<0.13	<0.025	0.103	0.0283 J	<0.13	<0.025	<0.025		0.15	0.0541 J	<0.13	1.6	0.0368	1.63
	P59-ROX-101515	10/15/2015		45.75	NE	<0.05	<0.25		<1.3		0.03 J	<1.3	<0.05	0.085	0.04 J	<0.05	<0.05	0.54	<0.05	<0.05	<0.25	<0.05		0.28	0.1	<1.3	2.8	0.27	3.1
	P59-ROX-011216	1/12/2016	47.91 - 72.91	46.10	NE	<0.025	<0.13		<0.63		0.022 J	<0.63	<0.025	0.11	0.037	<0.025	<0.025	1.6	<0.025	<0.025	<0.13	<0.025		0.26	0.08	<0.63	2.3	0.46	2.8
P-66	P66-ROX-041113	4/11/2013	34.72 - 59.72	36.03	NE	<0.005	<0.005		<0.005		0.287	<0.005	0.086	<0.005	0.384	<0.005	<0.001	0.0012	<0.005	<0.005	<0.001	<0.001		0.0041 J	<0.005	<0.005	<0.001	<0.001	<0.001
	P66-ROX-071213	7/12/2013		33.20	NE	<0.005	<0.005 UJ		<0.005		0.191	<0.005	<0.001	<0.005	0.229	<0.005	<0.001 UJ	0.0018	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	0.001	0.0015
	P66-ROX-101013	10/10/2013		33.66	NE	<0.005	<0.005		<0.005		0.151	<0.005	0.085	0.0104	0.204	<0.005	<0.001	0.0013	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	0.00096 J	0.00096 J
	P66-ROX-110713	11/7/2013		33.66	NE	<0.005	<0.005		<0.005		0.0958	<0.005	0.0528	0.0057	0.0658	<0.005	<0.001	0.00086 J	<0.005	<0.005	0.0015	<0.001		<0.005	<0.005	<0.005	<0.001	0.00057 J	0.00057 J
	P66-ROX-012914	1/29/2014		36.39	NE	<0.005	<0.005		<0.005		0.131	<0.005	<0.001	<0.005	0.157	<0.005	<0.001	0.0017	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	0.0045	0.0045
	P66-ROX-041114	4/11/2014		37.10	NE	<0.005	<0.005		<0.005		0.115	<0.005	<0.001	0.0014 J	0.136	<0.005	<0.001	0.0017	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	0.00072 J	0.0013
	P66-ROX-070714	7/7/2014		35.60	NE	<0.005	<0.005		<0.005		0.144	<0.005	<0.001	<0.005	0.102	<0.005	<0.001	0.0022	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.001	0.00099 J	0.002
	P66-ROX-101414	10/14/2014		34.48	NE	<0.005	<0.005		<0.005 UJ		0.129	<0.005	0.0111	<0.005	0.137	<0.005	<0.001	0.0016	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	0.0009 J	0.0018
	P66-ROX-011615	1/16/2015		36.62	NE	<0.005	<0.005		<0.005		0.121	<0.005	0.0171	0.006	0.136	<0.005	<0.001	0.0018	<0.005	<0.005	<0.001	<0.001		0.00073 J	0.00029 J	<0.005	0.00093 J	0.0012	0.0021
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	<0.005	<0.005		<0.005		0.116	<0.005	0.0172	0.0053	0.127	<0.005	<0.001	0.0016	<0.005	<0.005	<0.001	<0.001		0.00041 J	0.00019 J	<0.005	0.001	0.0013	0.0022
	P66-ROX-041415	4/14/2015		38.27	NE	<0.005	<0.005		<0.005		0.133	<0.005	<0.001	<0.005	0.134	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	<0.001		0.00064 J	<0.005	<0.005	0.0028	0.0015	0.0044
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	<0.005	<0.005		<0.005		0.13	<0.005	<0.001	<0.005	0.132	<0.005	<0.001	0.0022	<0.005	<0.005	<0.001	<0.001		0.00053 J	<0.005	<0.005	0.0024	0.0013	0.0037
	P66-ROX-070815	7/8/2015		37.24	NE	<0.005	<0.005		<0.005		0.133	<0.005	<0.001	<0.005	0.117	<0.005	<0.001	0.0017	<0.005	<0.005	<0.001	<0.001		0.0003 J	<0.005	<0.005	0.0016	0.0011	0.0027
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	<0.005	<0.005		<0.005		0.132	<0.005	<0.001	<0.005	0.119	<0.005	<0.001	0.0018	<0.005	<0.005	<0.001	<0.001		0.00032 J	<0.005	<0.005	0.0016	0.0011	0.0027
	P66-ROX-101315	10/13/2015		34.84	NE	<0.001	<0.005		<0.025		0.072	<0.025	0.019	0.0035	0.068	<0.001	<0.001	0.00092 J	<0.001	<0.001	<0.005	<0.001		0.0012	<0.001	<0.025	0.0024 J	0.00086 J	0.0033 J
	P-66-ROX-010816	1/8/2016	34.72 - 59.72	34.64	NE	<0.001	<0.005		<0.025		0.085	<0.025	<0.001	<0.001	0.083	<0.001	<0.001	0.0012	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																					
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
Screening Values (mg/L)							0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
P-74	P74-ROX-041113	4/11/2013	44.43 - 69.43	42.83	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	0.0016 J	<0.005	<0.005	<0.001	0.003	<0.005	<0.005	<0.001	<0.001		0.0184	0.0138	<0.005	0.0456	0.0146	0.0601
	P74-ROX-071513	7/15/2013		40.11	NE	<0.005	<0.005		<0.005		0.0031 J	<0.005	<0.001	0.024	0.0054	<0.005	<0.001	0.0064	<0.005	<0.005	<0.001	<0.001		0.101	0.0365	<0.005	0.109	0.027	0.136
	P74-ROX-101413	10/14/2013		41.72	NE	<0.005	<0.005		<0.005		0.0052	0.0074	0.0011	0.0257	0.0094	<0.005	<0.001	0.0344	<0.005	<0.005	<0.001	<0.001		0.192	0.0739	<0.005	0.237	0.0483	0.285
	P74-ROX-012414	1/24/2014		43.35	NE	<0.005	<0.005		<0.005		0.0058	<0.005	<0.001	0.0322	0.0112	<0.005	<0.001	0.153	<0.005	<0.005	<0.001	<0.001		0.292	0.11	<0.005	0.316	0.0579	0.374
	P74-ROX-041514	4/15/2014		44.74	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	0.00074 J	<0.005	<0.005	<0.001	0.00078 J	<0.005	<0.005	<0.001	<0.001		0.0083	0.0039 J	<0.005	0.0193	0.0015	0.0208
	P74-ROX-070814	7/8/2014		43.02	NE	<0.005	<0.005		<0.005		0.0018 J J	<0.005	<0.001	0.0128	0.0036 J	<0.005	<0.001	0.0087	<0.005	<0.005	<0.001	<0.001		0.117	0.0518	<0.005	0.121	0.0122	0.133
	P74-ROX-101414	10/14/2014		41.48	NE	<0.005	<0.005		<0.005 UJ		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	0.00043 J
	P74-ROX-011915	1/19/2015		43.47	NE	<0.005	<0.005		<0.005		0.0029 J	<0.005	0.0056	0.0193	0.0053	<0.005	<0.001	0.102	<0.005	<0.005	<0.001	<0.001		0.135	0.0589	<0.005	0.197	0.019	0.216
	P74-ROX-041515	4/15/2015		44.61	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	0.00042 J	<0.005	<0.001	0.0013	<0.005	<0.005	<0.001	<0.001		0.0086	0.0044 J	<0.005	0.0202	0.0012	0.0214
	P74-ROX-071015	7/10/2015		43.28	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P74-ROX-101415	10/14/2015		41.75	NE	<0.005	<0.025		<0.13		<0.005	<0.13	<0.005	0.02	0.0038 J	<0.005	<0.005	0.012	<0.005	<0.005	<0.025	<0.005		0.081	0.033	<0.13	0.21	0.0071 J	0.21
	P74-ROX-011116	1/11/2016	44.43 - 69.43	40.67	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	0.0032	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	0.001 J
P-93A	P93A-ROX-041113	4/11/2013	48.17 - 63.17	46.29	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93A-ROX-071813	7/18/2013		43.25	NE	<0.005	<0.005		<0.005		0.0101	<0.005	0.0054	0.0303	0.0113	<0.005	<0.001	0.0072	<0.005	<0.005	<0.001	<0.001		0.0915	0.0116	<0.005 UJ	0.273	0.0426	0.316
	P93A-ROX-101113	10/11/2013		44.18	NE	<0.005	<0.005		<0.005		0.0142	<0.005	0.0034	0.0621	0.015	<0.005	<0.001	0.0133	<0.005	<0.005	<0.001	<0.001		0.146	0.0163	<0.005 UJ	0.451	0.0789	0.53
	P93A-ROX-012914	1/29/2014		46.53	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93A-ROX-041714	4/17/2014		47.41	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93A-ROX-071814	7/18/2014		45.70	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P93A-ROX-101514	10/15/2014		45.06	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		0.442 J	<2.5	<2.5	<0.5	0.263 J	0.65
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	0.258 J	0.635
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	<0.005 UJ	<0.002 UJ		<0.01 UJ		0.0073 J	0.0011 J J	0.0013 J	0.0243 J	0.008 J	<0.001 UJ	<0.001 UJ	0.0039 J	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ		0.127 E J	0.0282 J	<0.01 UJ	0.138 J	0.0347 J	0.173 J
	P93A-ROX-041715	4/17/2015		47.02	NE	<0.005	<0.005		<0.005		0.0049 J	<0.005	<0.001	0.011	0.0059	<0.005	<0.001	0.003	<0.005	<0.005	<0.001	<0.001		0.0886	0.03	<0.005	0.0477	0.0199	0.0677
	P93A-ROX-071315	7/13/2015		45.93	NE	<0.5	<0.5		<0.5		<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	0.0342 J	<0.5	<0.5	<0.1	<0.1		0.0313 J	<0.5	<0.5	<0.1	<0.1	0.0502 J
	P93A-ROX-101515	10/15/2015		43.69	NE	<1	<5		<25		<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1		<1	<1	<25	<5	<5	<5
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	<1	<5		<25		<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1		<1	<1	<25	<5	<5	<5
	P-93A-ROX-011216	1/12/2016	43.07 - 53.07	43.73	NE	<2	<10		<50		<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2		<2	<2	<50	<10	<10	<10
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<2	<10		<50		<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<10	<2		<2	<2	<50	<10	<10	<10
P-93B	P93B-ROX-041113	4/11/2013	74.60 - 76.60	46.32	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93B-ROX-071813	7/18/2013		43.30	NE	<0.005	<0.005		<0.005		0.0247	<0.005	0.0035	0.0093	0.0357	<0.005	<0.001	0.0646	<0.005	<0.005	<0.001	<0.001		0.025	0.0069	0.0176 J	0.195	0.0418	0.236
	P93B-ROX-101613	10/16/2013		44.43	NE	<10 UJ	<10		<10		<10	<10	<2 UJ	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10 UJ	<2	<2	<2
	P93B-ROX-101613-DUP	10/16/2013		44.43	NE	<10 UJ	<10		<10		<10	<10	<2 UJ	<10	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10 UJ	<2	<2	<2
	P93B-ROX-012814	1/28/2014		46.58	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P93B-ROX-012814-DUP	1/28/2014		46.58	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P93B-ROX-041714	4/17/2014		47.46	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93B-ROX-041714-DUP	4/17/2014		47.46	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93B-ROX-071714	7/17/2014		45.75	NE	<0.005 UJ	<0.005 UJ		<0.005 UJ		0.0227 J	<0.005 UJ	<0.001 UJ	0.0053 J	0.0297 J	<0.005 UJ	<0.001 UJ	0.0129 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ		0.008 J	0.0037 J J	<0.005 UJ	0.0662 J	0.0047 J	0.0708
	P93B-ROX-101514	10/15/2014		45.15	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93B-ROX-012315	1/23/2015		47.24	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	<1	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	<1
	P93B-ROX-021915	2/19/2015		47.24	NE	<2.5	<1		<5		<0.5	<2.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<1	<1	<5	<1	<0.5	<1.5
	P93B-ROX-041615	4/16/2015		48.42	NE	<0.005	<0.005		<0.005		0.0226	<0.005	<0.001	0.0033 J	0.0286	<0.005	0.00073 J	0.111	<0.005	<0.005	<0.001	<0.001		0.0124	0.0043 J	<0.005	0.0993	0.0378	0.137
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	<5	<5		<5		<5	<5	<1	<5	<5	<5	0.216 J	<1	<5	<5	<1	<1		<5	<5	<5	<1	<1	0.338 J
	P93B-ROX-070915	7/9/2015		47.74	NE	<25	<25		<25		<25	<25	<5	<25	<25	<25	<5	<5	<25	<25	<5	<5		<25	<25	<25	<5	<5	<5
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	<10	<10		<10		<10	<10	<2	7.01 J	<10	<10	<2	<2	<10	<10	<2	<2		<10	<10	<10	<2	<2	<2
	P93B-ROX-101515	10/15/2015		45.18	NE	<2.5	<13		<63		<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<2.5		<2.5	<2.5	<63	<13	<13	<13
	P93B-ROX-011316	1/13/2016	74.60 - 76.60	44.96	NE	<1	<5		<25		<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1		<1	<1	<25	<5	<5	<5

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																							
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
Screening Values (mg/L)							0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																							
P-93C	P93C-ROX-041213	4/12/2013	94.26 - 96.26	46.21	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0045	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-071813	7/18/2013		43.31	NE	<0.005	<0.005		<0.005		0.002 J	<0.005	0.0049	<0.005	0.002 J	<0.005	<0.001	0.007	<0.005	<0.005	<0.001	<0.001		0.0016 J	<0.005	<0.005 UJ	0.0076	0.0015	0.0091
	P93C-ROX-080813	8/8/2013		43.31	NE	<0.25	<0.25		<0.25		<0.25	<0.25	<0.05	<0.25	<0.25	<0.25	<0.05	<0.05	<0.25	<0.25	<0.05	<0.05		<0.25	<0.25	<0.25	<0.05	<0.05	<0.05
	P93C-ROX-101613	10/16/2013		44.31	NE	<0.005 UJ	<0.005		<0.005		<0.005	<0.005	0.0035 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P93C-ROX-012414	1/24/2014		46.44	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0047	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-041714	4/17/2014		47.34	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0043	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-071714	7/17/2014		45.61	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0061 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0046	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	46.77	NE	<0.5	<0.5		<0.5		<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1		<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	P93C-ROX-021915	2/19/2015		46.77	NE	<5	<2		<10		<1	<5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1		<2	<2	<10	<2	<1	<3
	P93C-ROX-041615	4/16/2015		48.22	NE	<0.5	<0.5		<0.5		<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	0.0295 J	<0.5	<0.5	<0.1	<0.1		<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	P93C-ROX-071315	7/13/2015		47.09	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0016	<0.0037 U	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		0.00059 J	<0.005	<0.005	0.00095 J	<0.001	0.0011
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.0022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P-93C-ROX-010816	1/8/2016	92.47 - 97.47	44.68	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.0021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
P-93D	P93D-ROX-041113	4/11/2013	125.75 - 127.75	46.37	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-071213	7/12/2013		43.51	NE	<0.005	<0.005 UJ		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P93D-ROX-101113	10/11/2013		44.24	NE	<0.005 UJ	<0.005		<0.005		<0.005	<0.005	0.00066 J J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P93D-ROX-013114	1/31/2014		46.62	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0011	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-041414	4/14/2014		47.54	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	0.0017 J	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-071714	7/17/2014		45.78	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0011 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-101514	10/15/2014		45.14	NE	<0.05	<0.05		<0.05		<0.05	<0.05	<0.01	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.01	<0.01		0.0083 J	<0.05	<0.05	<0.01	<0.01	<0.01
	P93D-ROX-110414	11/4/2014		45.14	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.002	<0.005	0.00067 J	<0.005	<0.001	0.0018	<0.005	<0.005	<0.001	<0.001		0.00057 J	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-012315	1/23/2015		42.28	NE	<1.3	<1.3		<1.3		<1.3	<1.3	<0.25	<1.3	<1.3	<1.3	<0.25	<0.25	<1.3	<1.3	<0.25	<0.25		<1.3	<1.3	<1.3	<0.25	<0.25	<0.25
	P93D-ROX-021915	2/19/2015		42.28	NE	<13	<5		<25		<2.5	<13	<2.5	<13	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5		<5	<5	<25	<5	<2.5	<7.5
	P93D-ROX-042015	4/20/2015		48.52	NE	<0.5	<0.5		<0.5		<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.1		<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	P93D-ROX-070915	7/9/2015		47.96	NE	<2.5	<2.5		<2.5		<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<2.5	<2.5	<0.5	<0.5		<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93D-ROX-101515	10/15/2015		45.28	NE	<0.1	<0.5		<2.5		<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1		<0.1	<0.1	<2.5	<0.5	<0.5	0.081 J
	P93D-ROX-011316	1/13/2016	125.75 - 127.75	45.10	NE	<0.1	<0.5		<2.5		<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.1		<0.1	<0.1	<2.5	<0.5	<0.5	<0.5
P-114	P114-ROX-041513	4/15/2013	32.67 - 52.67	31.80	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0051	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-071813	7/18/2013		27.22	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0023 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0022 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P114-ROX-101713	10/17/2013		29.43	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0036	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-012814	1/28/2014		32.11	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0153	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-042114	4/21/2014		32.22	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0093	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-071814	7/18/2014		30.87	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0037	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-101714	10/17/2014		29.43	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0098 J	<0.005	0.00087 J J	<0.005	<0.001	<0.001	<0.005 UJ	<0.005	<0.001	<0.001		<0.005	0.00043 J J	<0.005 UJ	0.00059 J J	<0.001	0.00059 J J
	P114-ROX-012115	1/21/2015		31.53	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0268 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		0.00046 J J	<0.005	<0.005	0.00068 J J	<0.001	0.00093 J J
	P114-ROX-041715	4/17/2015		NM	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0237	<0.005	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-070815	7/8/2015		29.16	NE	<0.005	<0.005		<0.005		<0.005	<0.005	0.0265	0.002 J	<0.005	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	26.24	NE	<0.001	<0.005		<0.025		<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005
	P114R-ROX-010716	1/7/2016	23.01 - 33.01	25.62	NE	<0.001	<0.005		<0.025		<0.001	<0.025	0.00091 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001		<0.001	<0.001	<0.025	<0.005	<0.005	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																				
						Ethyl methacrylate	Hexachlorobutadiene	Hexane	2-Hexanone (Methyl N-Butyl Ketone)	Isopentane	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Styrene	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	Trichloroethene	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
Screening Values (mg/L)							0.007 [3]	0.42 [3]	0.035 [3]		0.7 [1]	0.56 [3]	0.07 [1]	0.14 [1]	0.7 [3]	0.1 [1]	0.005 [1]	1.0 [1]	0.0056 [3]	0.07 [1]	0.005 [1]	0.005 [1]			0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
ROST-3-MW	ROST3MW-ROX-040513	4/5/2013	37.81 - 47.81			0.0136	<0.005	<0.005		<0.005		0.0032 J	<0.005	<0.001	0.132 J	0.0082	<0.005	<0.001	0.0076	<0.005	<0.005	<0.001	<0.001		0.0531	0.0145	<0.005	0.0603	0.0126
	ROST3MW-ROX-071113	7/11/2013		39.50	NE	<0.005	<0.005		<0.005 UJ		0.0146	<0.005	<0.001	0.0411	0.0279	<0.005	<0.001	0.014	<0.005	<0.005	<0.001	<0.001		0.164	0.0373	<0.005 UJ	0.644	0.124	0.768
	ROST3-MW-ROX-100913	10/9/2013		40.16	NE	<0.005	<0.005 UJ		<0.005		0.0017 J	<0.005	<0.001	0.0045 J	0.0029 J	<0.005	<0.001	0.0018	<0.005	<0.005	<0.001	<0.001		0.0168	0.0035 J	<0.005	0.0422	0.0123	0.0546
	ROST3MW-ROX-011714	1/17/2014		42.20	NE	<0.005	<0.005		<0.005		0.00099 J	<0.005	<0.001	<0.005	0.002 J	<0.005	<0.001	0.0012	<0.005	<0.005	<0.001	<0.001		0.0207	0.0057	<0.005	0.0377	0.0063	0.044
	ROST3MW-ROX-041014	4/10/2014		42.80	NE	<0.005	<0.005		<0.005		0.00043 J	<0.005	<0.001	0.00084 J	0.00082 J	<0.005	<0.001	0.0015	<0.005	<0.005	<0.001	<0.001		0.0121	0.003 J	<0.005	0.0287	0.0028	0.0315
	ROST3MW-ROX-071414	7/14/2014		41.88	NE	<0.005	<0.005		<0.005		0.00053 J	<0.005	<0.001	0.0045 J	0.00098 J	<0.005	<0.001	0.0024	<0.005	<0.005	<0.001	<0.001		0.0132	0.0032 J	<0.005	0.0371	0.0041	0.0412
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	<0.005	<0.005		<0.005		0.0021 J	<0.005	<0.001	0.0061	0.0028 J	<0.005	<0.001	0.0032	<0.005	<0.005	<0.001	<0.001		0.018	0.005	<0.005 UJ	0.0651	0.0205	0.0856
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	<0.005	<0.005		<0.005		0.0016 J	<0.005	<0.001	0.0061	0.0021 J	<0.005	<0.001	0.0011	<0.005	<0.005	<0.001	<0.001		0.0126	0.0036 J	<0.005	0.0166	0.0042	0.0209
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	<0.005	<0.005		<0.005		0.0014 J	<0.005	<0.001	<0.005	0.0015 J	<0.005	<0.001	0.0008 J	<0.005	<0.005	<0.001	<0.001		0.0055	0.00068 J	<0.005	0.0015	0.0029	0.0044
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	<0.005	<0.00071 U		<0.005		0.00093 J	<0.005	<0.001	0.0052 J	0.0012 J	<0.005	<0.001	0.0027	<0.0015 U	<0.0013 U	<0.001	<0.001		0.0059	0.00061 J	0.0583	0.0263	0.0065	0.0328
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	<0.001	<0.005		<0.025		0.0023	<0.025	<0.001	0.008	0.0029	<0.001	<0.001	0.0036	<0.001	<0.001	<0.005	<0.001		0.02	0.0045	<0.025	0.13	0.024	0.16
	ROST3MW-ROX-011416	1/14/2016	37.81 - 47.81	40.30	NE	<0.001	<0.005		<0.025		0.0016	<0.025	<0.001	0.0071	0.0018	<0.001	<0.001	0.0016	<0.001	<0.001	<0.005	<0.001		0.008	0.0015	<0.025	0.04	0.0077	0.047
ROST-4-PZ(C)	ROST4PZC-ROX-041013	4/10/2013	34.95 - 44.95	42.27	NE	<0.005	<0.005		<0.005 UJ		0.00061 J J	<0.005 UJ	<0.001	<0.005	0.0011 J	<0.005 UJ	<0.001 UJ	0.0006 J J	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ		0.0016 J	<0.005	<0.005	<0.001 UJ	<0.001 UJ	<0.001 UJ
	ROST4PZC-ROX-071113	7/11/2013		40.18	NE	<0.005	<0.005		<0.005 UJ		0.0025 J	<0.005	<0.001	0.0189	0.0041 J	<0.005	<0.001	0.041	<0.005	<0.005	<0.001	<0.001		0.0194	0.0044 J	<0.005 UJ	0.126	0.0649	0.191
	ROST4PZC-ROX-100913	10/9/2013		39.91	NE	<0.005	<0.005 UJ		<0.005		0.00066 J	<0.005	<0.001	0.0054	0.0012 J	<0.005	<0.001	0.0013	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0101	0.0054	0.0155
	ROST4PZC-ROX-011714	1/17/2014		41.92	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	0.00073 J	<0.005	<0.001	0.0014	<0.005	<0.005	<0.001	<0.001		0.0017 J	<0.005	<0.005	0.0124	0.0057	0.018
	ROST4PZC-ROX-041014	4/10/2014		42.05	NE	<0.005	<0.005		<0.005		<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.00057 J	<0.005	<0.005	<0.001	<0.001		<0.005	<0.005	<0.005	0.0015	0.0015	0.003
	ROST4C-ROX-071114	7/10/2014		42.22	NE	<0.005	<0.005		<0.005		0.00037 J	<0.005	<0.001	0.0104	<0.005	<0.005	<0.001	0.0421	<0.005	<0.005	<0.001	<0.001		0.00082 J	<0.005	<0.005	0.0574	0.0815	0.139
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	<0.005	<0.005		<0.005		0.0011 J	<0.005	<0.001	0.0169	0.0011 J	<0.005	<0.001	0.0196	<0.005	<0.005	<0.001	<0.001		0.0046 J	0.00047 J	<0.005 UJ	0.112	0.0634	0.176
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	<0.005	<0.005		<0.005		0.00036 J	<0.005	<0.001	<0.005	0.00056 J	<0.005	<0.001	0.0005 J	<0.005	<0.005	<0.001	<0.001		0.0011 J	<0.005	<0.005	0.0026	0.0031	0.0057
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	<0.005	<0.005		<0.005		0.0013 J	<0.005	<0.001	0.0146	0.0013 J	<0.005	<0.001	0.0313	<0.005	<0.005	<0.001	<0.001		0.0052	0.00075 J	<0.005	0.148	0.0203	0.168
	ROST4PZ-ROX-071315	7/13/2015		41.86	NE	<0.005	<0.005		<0.005		0.0037 J	<0.005	<0.001	0.0806	0.0053	<0.005	<0.001	0.0456	<0.005	<0.005	<0.001	<0.001		0.0334	0.0052	<0.005	0.4	0.0302	0.43
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	<0.001	<0.005		<0.025		0.0051	<0.025	<0.001	0.082	0.0059	<0.001	<0.001	0.042	<0.001	<0.001	<0.005	<0.001		0.036	0.0066	<0.025	0.53	0.036	0.57
	ROST4PZC-ROX-011516	1/15/2016	34.95 - 44.95	40.54	NE	<0.002	<0.01		<0.05		0.0044	<0.05	<0.002	0.071	0.006	<0.002	<0.002	0.03	<0.002	<0.002	<0.01	<0.002		0.037	0.004	<0.05	0.17	0.02	0.19
T-12	T12-ROX-041513	4/15/2013	46.72 - 72.72	44.99	NE	<0.05	<0.05		<0.05		0.0405 J	<0.05	<0.01	0.266 J	0.076	<0.05	<0.01	0.592	<0.05	<0.05	<0.01	<0.01		0.309	<0.05	<0.05	1.2	0.104	1.3
	T12-ROX-071613	7/16/2013		42.33	NE	<0.005	<0.005 UJ		<0.005		0.0363 J	<0.005	<0.001	0.122 J	0.0627 J	<0.005	<0.001	0.186 J	<0.005	<0.005	<0.001	<0.001		0.361 J	0.0238 J	<0.005 UJ	0.794 J	0.0145 J	0.808 J
	T12-ROX-101513	10/15/2013		43.73	NE	<0.025	<0.025		<0.025		0.0618	<0.025	<0.005	0.215 J	0.114	<0.025	<0.005	0.697	<0.025	<0.025	<0.005	<0.005		0.575	0.0607	<0.025	2.43	0.139	2.57
	T12-ROX-012414	1/24/2014		45.26	NE	<0.005	<0.005		<0.005		0.0362	<0.005	<0.001	0.171	0.0676	<0.005	<0.001	0.421	<0.005	<0.005	<0.001	<0.001		0.526	0.0507	<0.005	1.12	0.0469	1.23
	T12-ROX-041514	4/15/2014		46.72	NE	<0.005	<0.005		<0.005		0.0306	<0.005	<0.001	0.12	0.0534	<0.005	<0.001	0.406	<0.005	<0.005	<0.001	<0.001		0.22 J	0.0339	<0.005	0.841	0.0401	0.864
	T12-ROX-070814	7/8/2014		45.13	NE	<0.005	<0.005		<0.005		0.0577 J	<0.005	<0.001	0.146	0.0912	<0.005	<0.001	0.686	<0.005	<0.005	<0.001	<0.001		0.425	0.0589	<0.005	1.25	0.0909	1.3
	T12-ROX-101714	10/17/2014		44.40	NE	<0.05	<0.05		<0.05		0.0459 J	<0.05	<0.01	0.184 J	0.0707	<0.05	<0.01	0.722	<0.05 UJ	<0.05	<0.01	<0.01		0.244	0.0391 J	<0.05 UJ	2.25	0.114	2.36
	T12-ROX-011915	1/19/2015		45.27	NE	<0.05	<0.05		<0.05		0.0432 J	<0.05	0.0033 J	0.196	0.0745	<0.05	<0.01	0.337	<0.05	<0.05	<0.01	<0.01		0.391	0.0521	<0.05	1.3	0.0747	1.38
	T12-ROX-041515	4/15/2015	46.83 - 72.83	46.73	NE	<0.005	<0.005		<0.005		0.0662	<0.005	<0.001	0.131	0.117	<0.005	<0.001	0.658	<0.005	<0.005	<0.001	<0.001		0.331	0.0543	<0.005	1.62	0.177	1.62
	T12-ROX-071015	7/10/2015		46.09	NE	<0.05	<0.05		<0.05		0.0222 J	<0.05	<0.01	0.0798	0.0455 J	<0.05	<0.01	0.0782	<0.05	<0.05	<0.01	<0.01		0.185	0.0173 J	<0.05	0.594	0.0097 J	0.603
	T12-ROX-101515	10/15/2015		43.72	NE	<0.01	<0.05		<0.25		0.034	<0.25	<0.01	0.081	0.055	<0.01	<0.01	0.096	<0.01	<0.01	<0.05	<0.01		0.15	0.016	<0.25	0.55	0.008 J	0.56
	T12-ROX-011216	1/12/2016	46.83 - 72.83	44.13	NE	<0.01	<0.05		<0.25		0.015	<0.25	0.037	0.1	0.019	<0.01	<0.01	0.084	<0.01	<0.01	<0.05	<0.01		0.13	0.014	<0.25	0.45	0.0074 J	0.46

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TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-01	MW1-ROX-040913	4/9/2013	48.80 - 58.80	42.55	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0011 U	<0.011	<0.0053 UJ
	MW1-ROX-070813	7/8/2013		39.56	NE	<0.000026 U	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	0.000027 J	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0024 U	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW1-ROX-100313	10/3/2013		40.28	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00065 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW1-ROX-011414	1/14/2014		42.77	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011 UJ	<0.0053 UJ	<0.00011	<0.00011	<0.0021	<0.011 UJ	<0.0053	<0.011 UJ	<0.0053
	MW1-ROX-040714	4/7/2014		43.28	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	0.003 J J	<0.011	<0.0054	<0.0022	<0.0054	<0.011 UJ	<0.0057 UJ	<0.00011	<0.00011	<0.0022	<0.011 UJ	<0.0054	<0.011 UJ	<0.0054
	MW1-ROX-070914	7/9/2014		42.09	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW1-ROX-011215	1/12/2015		42.73	NE	0.00003 J	0.000027 J	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW1-ROX-040615	4/6/2015		44.11	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	0.00046 J	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW1-ROX-010816	1/8/2016	48.80 - 58.80	40.93	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-02	MW2-ROX-040913	4/9/2013	49.87 - 59.87	43.70	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.005 J	<0.0054 UJ
	MW2-ROX-071113	7/11/2013		40.82	NE	0.000035 J	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0055	0.00063 J	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	0.005 J	<0.0055
	MW2-ROX-100813	10/8/2013		41.73	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW2-ROX-012014	1/20/2014		44.00	NE	<0.00011	0.00018	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW2-ROX-041014	4/10/2014		44.66	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012 UJ	<0.012	<0.006	<0.0024	<0.006	<0.012	<0.006	<0.00012	<0.00012	<0.0024	<0.012	<0.006	<0.012	<0.006
	MW2-ROX-071414	7/14/2014		43.13	NE	0.000084 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00037 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW2-ROX-101014	10/10/2014		42.49	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW2-ROX-011615	1/16/2015		44.1	NE	0.00018	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW2-ROX-041315	4/13/2015		45.56	NE	0.000041 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	0.001 J	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW2-ROX-071315	7/13/2015		44.53	NE	0.000042 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0028 J	<0.0054
	MW2-ROX-101215	10/12/2015		42.15	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW2-ROX-011416	1/14/2016	49.87 - 59.87	42.04	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-03	MW3-ROX-040813	4/8/2013	34.67 - 44.67	29.74	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	MW3-ROX-071113	7/11/2013		26.32	NE	0.000028 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.0038	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW3-ROX-100813	10/8/2013		27.38	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW3-ROX-011614	1/16/2014		29.91	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011 UJ	<0.0053 UJ	<0.00011	<0.00011	<0.0021	<0.011 UJ	<0.0053	<0.011 UJ	<0.0053
	MW3-ROX-040914	4/9/2014		30.50	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	0.00038 J	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW3-ROX-071114	7/10/2014		29.05	NE	<0.0001	<0.0001	<0.011	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.011	<0.011	<0.0054	0.0013 J	<0.0054	<0.011	<0.0054	0.000028 J	<0.0001	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW3-ROX-011515	1/15/2015		29.65	NE	0.000027 J	<0.00011	<0.011	0.000021 J J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW3-ROX-041015	4/10/2015		31.16	NE	0.000018 J	<0.0001	<0.011	0.000019 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.011	<0.011	<0.0053	<0.00073 U	<0.0053	<0.011	<0.0053	<0.0001	<0.0001	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW3-ROX-071015	7/10/2015		30.01	NE	<0.00011	<0.00011	<0.011	0.00002 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW3-ROX-100915	10/9/2015		27.98	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW3-ROX-010716	1/7/2016	34.67 - 44.67	27.92	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-04	MW4-ROX-040913	4/9/2013	45.06 - 55.06	40.90	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053 UJ
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.00011	<0.00011	<0.011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053 UJ	<0.011	<0.0053 UJ
	MW4-ROX-071713	7/17/2013		37.61	NE	<0.000036 U	<0.00011	<0.011	<0.00011	<0.000055	0.00004 J	0.000034 J	0.000061 J	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW4-ROX-101613	10/16/2013		38.80	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011 UJ	<0.0055 UJ	<0.00011	<0.00011	<0.0022	<0.011 UJ	<0.0054	<0.011 UJ	<0.0054
	MW4-ROX-013014	1/30/2014		41.09	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011 UJ	<0.0054 UJ	<0.00011	<0.00011	<0.0022	<0.011 UJ	<0.0054	<0.011 UJ	<0.0054
	MW4-ROX-041614	4/16/2014		41.91	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW4-ROX-071614	7/16/2014		40.18	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00038 J	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.0059	<0.00012	<0.00012	<0.0024	<0.012	<0.0059	<0.012	<0.0059
	MW4-ROX-012115	1/21/2015		41.27	NE	0.000019 J	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW4-ROX-042115	4/21/2015		42.58	NE	0.000027 J	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW4-ROX-071415	7/14/2015	45.06 - 55.06	41.30	NE	0.000023 J	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW4-ROX-011316	1/13/2016	45.06 - 55.06	39.10	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-05	MW5-ROX-040913	4/9/2013	33.97 - 43.97	29.41	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054 UJ
	MW5-ROX-070913	7/9/2013		26.04	NE	<0.0001	<0.0001	<0.01	<0.0001	0.0001 J	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	MW5-ROX-100813	10/8/2013		26.97	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW5-ROX-011714	1/17/2014		29.59	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW5-ROX-041014	4/10/2014		30.09	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW5-ROX-071414	7/14/2014		28.59	NE	0.000075 J	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW5-ROX-011515	1/15/2015		29.34	NE	0.00012	<0.00011	<0.011	0.00007 J J	0.000035 J J	<0.00011	<0.000053	0.00002 J J	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	0.000025 J J	0.000017 J J	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW5-ROX-041315	4/13/2015		30.97	NE	0.000073 J	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW5-ROX-071315	7/13/2015		29.45	NE	0.000062 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW5-ROX-101215	10/12/2015		27.53	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.00008 J	0.000088 J	0.000087 J	0.000088 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000071 J	0.000078 J	<0.01	<0.01	<0.01	<0.01
	MW5-ROX-011416	1/14/2016	33.97 - 43.97	27.19	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01
MW-06A	MW6A-ROX-040313	4/3/2013	34.83 - 44.83	31.62	NE	<0.00011	<0.00011 UJ	<0.011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	0.00052 J	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6A-ROX-070913	7/9/2013		28.25	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW6A-ROX-100713	10/7/2013		28.87	NE	0.0001 J	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.00082 U	<0.011	<0.0056 UJ
	MW6A-ROX-100713-DUP	10/7/2013		28.87	NE	0.000093 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	0.00078 J	<0.011	<0.0054 UJ
	MW6A-ROX-011614	1/16/2014		31.62	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW6A-ROX-011614-DUP	1/16/2014		31.62	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6A-ROX-040814	4/8/2014		32.16	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0056	<0.00057 U	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6A-ROX-040814-DUP	4/8/2014		32.16	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0054	<0.00066 U	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6A-ROX-071014	7/10/2014		30.75	NE	<0.00011	0.000075 J	<0.011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6A-ROX-011415	1/14/2015		31.54	NE	0.000089 J	0.00004 J	<0.011	0.00006 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6A-ROX-040715	4/7/2015		33.08	NE	0.000061 J	0.000085 J	<0.01	0.000027 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW6A-ROX-071515	7/15/2015		31.52	NE	0.00011	<0.00011	<0.011	0.000047 J	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-011116	1/11/2016	34.83 - 44.83	29.36	NE	0.00017 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01
MW-06B	MW6B-ROX-040313	4/3/2013	64.05 - 69.05	31.68	NE	<0.00011	<0.00011 UJ	<0.011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6B-ROX-070913	7/9/2013		28.25	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6B-ROX-100713	10/7/2013		28.93	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.00057 U	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.00084 U	<0.011	<0.0054 UJ
	MW6B-ROX-011614	1/16/2014		31.67	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	0.000051 J	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	0.000042 J	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6B-ROX-040814	4/8/2014		32.21	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6B-ROX-071014	7/10/2014		30.81	NE	<0.00011	<0.00011	<0.011 UJ	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.00011	0.000016 J	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6B-ROX-040715	4/7/2015		33.10	NE	<0.0001	0.000016 J	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.0001	0.000016 J	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW6B-ROX-071415	7/14/2015		31.56	NE	0.00012	0.000017 J	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6B-ROX-011116	1/11/2016	64.05 - 69.05	29.41	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-06C	MW6C-ROX-040313	4/3/2013	84.95 - 89.95	31.41	NE	<0.0001	<0.0001 UJ	<0.01 UJ	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01 UJ	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW6C-ROX-070913	7/9/2013		28.03	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6C-ROX-100713	10/7/2013		28.72	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.00056 U	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0013 U	<0.011	<0.0055 UJ
	MW6C-ROX-011614	1/16/2014		31.48	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	0.000041 J	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6C-ROX-040814	4/8/2014		32.01	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.0059	<0.00012	<0.00012	<0.0024	<0.012	<0.0059	<0.012	<0.0059
	MW6C-ROX-071014	7/10/2014		30.60	NE	<0.00011	<0.00011	<0.011 UJ	<0.00011	0.000034 J	<0.00011	<0.000056	0.000035 J	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	0.000037 J	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6C-ROX-011415	1/14/2015		31.41	NE	0.000017 J	<0.00011	<0.011	0.000024 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.00011	<0.00011	<0.011	0.000016 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6C-ROX-071415	7/14/2015		31.38	NE	0.000027 J	0.00002 J	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6C-ROX-010816	1/8/2016	84.95 - 89.95	29.31	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-06D	MW6D-ROX-040313	4/3/2013	104.72 - 109.72	31.27	NE	<0.00011	<0.00011 UJ	<0.011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6D-ROX-070913	7/9/2013		27.91	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW6D-ROX-100713	10/7/2013		28.58	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.001 U	<0.011	<0.0054 UJ
	MW6D-ROX-011614	1/16/2014		31.33	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW6D-ROX-040814	4/8/2014		31.85	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW6D-ROX-071014	7/10/2014		31.47	NE	<0.00011	<0.00011	<0.011 UJ	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.00011	<0.00011	<0.011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	0.016	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.00011	<0.00011	<0.011	0.000026 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6D-ROX-040715	4/7/2015		32.74	NE	0.000016 J	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000059 J	0.000054 J	0.000049 J	0.000047 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-010816	1/8/2016	104.72 - 109.72	29.59	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-07	MW7-ROX-041013	4/10/2013	42.92 - 52.92	42.70	NE	0.0012	0.00015	<0.011	0.000089 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.00083 J	<0.011	<0.0054	<0.011	<0.0054
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	0.0012	0.00016	<0.011	0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.00088 J	<0.011	<0.0053	<0.011	<0.0053
	MW7-ROX-071713	7/17/2013		39.60	NE	0.00019	0.000031 J	<0.011	0.000028 J	0.00004 J	0.000044 J	0.000045 J	0.00008 J	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	0.000077 J	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW7-ROX-101613	10/16/2013		40.64	NE	0.00035	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW7-ROX-013014	1/30/2014		42.94	NE	0.00028	<0.0001	<0.01	0.00029	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	MW7-ROX-041614	4/16/2014		43.79	NE	0.00034	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW7-ROX-071614	7/16/2014		42.05	NE	0.00024	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	0.00022	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW7-ROX-101614	10/16/2014		41.31	NE	0.00024	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	0.00022	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	MW7-ROX-012215	1/22/2015		43.45	NE	0.00026	0.000051 J	<0.011	0.000056 J J	<0.00005 U	0.000028 J	0.00013 J	0.000034 J	0.000026 J	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.000046 U	0.000025 J	<0.0021	<0.011	<0.0053	0.00072 J	<0.0053
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	0.00025	0.000044 J	<0.01	0.00046 J	<0.000052	<0.0001	<0.000052 UJ	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00039 J	<0.0052	<0.01	<0.0052	<0.000021 U	<0.0001	<0.0021	<0.01	<0.0052	0.00071 J	<0.0052
	MW7-ROX-042115	4/21/2015		44.63	NE	0.00038	0.000059 J	<0.01	0.000055 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	0.000022 J	<0.0001	0.00028 J	<0.01	<0.0051	0.0014 J	<0.0051
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	0.00036	0.000053 J	<0.01	0.00005 J	<0.000051	0.000024 J	<0.000051	0.000018 J	<0.0001	<0.01	<0.01	<0.0051	0.00033 J	<0.0051	<0.01	<0.0051	0.000028 J	0.000016 J	<0.002	<0.01	<0.0051	0.0012 J	<0.0051
	MW7-ROX-071515	7/15/2015		43.54	NE	0.00027	0.000038 J	<0.01	0.000038 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.00037 J	<0.0051	<0.01	<0.0051	0.000033 J	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	0.00025	0.000043 J	<0.01	0.000039 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	0.000034 J	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW7-ROX-101915	10/19/2015		41.43	NE	0.00012 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.0043 J	<0.01
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.011 J *	<0.01	<0.01	0.0024 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.0044 J	<0.01
	MW7-ROX-011416	1/14/2016	42.92 - 52.92	41.02	NE	0.00019 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.018 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.0035 J	<0.01
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	0.00023	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.022 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.0036 J	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-08	MW8-ROX-041013	4/10/2013	33.60 - 43.60	33.77	NE	0.00018	0.000059 J	<0.011	0.000072 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.0023	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0358	<0.0053
	MW8-ROX-071713	7/17/2013		30.43	NE	0.0002	<0.0001	<0.01	0.000049 J	<0.000052	0.000021 J	<0.000052	0.00004 J	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	0.009 J	<0.0052
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	0.00019	0.000056 J	<0.011	0.000061 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.0004 J	<0.011	<0.0054	0.0089 J	<0.0054
	MW8-ROX-101613	10/16/2013		31.59	NE	0.00021	0.000089 J	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.0005 J	<0.011	<0.0054	0.0066 J	<0.0054
	MW8-ROX-101613-DUP	10/16/2013		31.59	NE	0.0002	0.000058 J	<0.012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.0059	<0.00012	<0.00012	0.0004 J	<0.012	<0.0059	0.0062 J	<0.0059
	MW8-ROX-013014	1/30/2014		34.02	NE	0.0002	0.000089 J	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.00053 J	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	0.0005 J	<0.01	<0.0051	0.0124	<0.0051
	MW8-ROX-013014-DUP	1/30/2014		34.02	NE	0.00021	0.000083 J	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00072 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.00053 J	<0.011	<0.0054	0.0121	<0.0054
	MW8-ROX-041614	4/16/2014		34.73	NE	0.00018	0.000074 J	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	0.0005 J	<0.011	<0.0056	<0.011	<0.0056
	MW8-ROX-041614-DUP	4/16/2014		34.73	NE	0.00016	0.000063 J	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	0.00045 J	<0.01	<0.0051	<0.01	<0.0051
	MW8-ROX-071614	7/16/2014		33.01	NE	0.00018	0.000068 J	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00038 J	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	0.00041 J	<0.01	0.00057 J	<0.01	<0.0052
	MW8-ROX-101614	10/16/2014		32.23	NE	0.00021	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	0.0099 J	<0.0056
	MW8-ROX-012215	1/22/2015		34.22	NE	0.00027	0.000073 J	<0.01	0.000035 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	0.0172	<0.0052
	MW8-ROX-042115	4/21/2015		35.41	NE	0.00018	0.000052 J	<0.011	0.000034 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.00045 J	<0.011	<0.0053	0.0201	<0.0053
	MW8-ROX-071515	7/15/2015		34.07	NE	0.00018	<0.00011	<0.011	0.000037 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	0.0171	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW8-ROX-101915	10/19/2015		32.30	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.0065 J	<0.01
	MW8-ROX-011416	1/14/2016	33.60 - 43.60	31.79	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.008 J	<0.01
MW-09	MW9-ROX-040913	4/9/2013	46.45 - 56.45	44.67	NE	<0.0001 UJ	<0.0001 UJ	<0.01 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.0001 UJ	<0.01 UJ	<0.01 UJ	<0.0052 UJ	<0.0021 UJ	<0.0052 UJ	<0.01 UJ	<0.0052 UJ	<0.0001 UJ	<0.0001 UJ	<0.0021 UJ	<0.01 UJ	<0.0016 UJ	<0.01 UJ	<0.0052 UJ
	MW9-ROX-070813	7/8/2013		42.35	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	0.000035 J	<0.00011	<0.00011		<0.011	<0.0056	<0.0022	<0.0056			<0.00011	<0.00011	<0.0022		<0.0056		<0.0056
	MW9-ROX-100313	10/3/2013		42.27	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	MW9-ROX-011414	1/14/2014		44.47	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011 UJ	<0.0053 UJ	<0.00011	<0.00011	<0.0021	<0.011 UJ	<0.0053	<0.011 UJ	<0.0053 UJ
	MW9-ROX-040714	4/7/2014		44.99	NE	<0.00011	<0.00011	<0.011	<0.00011	0.000024 J	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0056	<0.00054 U	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW9-ROX-070914	7/9/2014		44.35	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00036 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.0059	<0.00012	<0.00012	<0.0024	<0.012	<0.0059	<0.012	<0.0059
	MW9-ROX-011315	1/13/2015		44.21	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01 UJ	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW9-ROX-040915	4/9/2015		45.38	NE	0.00002 J	<0.0001	<0.01	0.00002 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.00026 U	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW9-ROX-070915	7/9/2015		44.81	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-011316	1/13/2016	46.45 - 56.45	42.63	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-10	MW10-ROX-040913	4/9/2013	44.43 - 54.43	44.60	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0018 U	<0.011	<0.0054 UJ
	MW10-ROX-070813	7/8/2013		42.27	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0027 U	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW10-ROX-100313	10/3/2013		42.38	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW10-ROX-011514	1/15/2014		44.42	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	0.000096 J	<0.00011	<0.011 UJ	<0.011	<0.0053	0.00054 J	<0.0053	<0.011 UJ	<0.0054 UJ	<0.00011	0.000074 J	<0.0021	<0.011 UJ	<0.0053	<0.011 UJ	<0.0053
	MW10-ROX-040714	4/7/2014		45.00	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.00068 U	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW10-ROX-070914	7/9/2014		44.35	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00052 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0056	0.00042 J	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW10-ROX-070915	7/9/2015		44.93	NE	0.000023 J	<0.00011	<0.011	0.000039 J	0.000035 J	0.000022 J	0.000028 J	0.000027 J	0.000041 J [1]	<0.011	<0.011	<0.0054	0.00045 J	0.00028 J	<0.011	<0.0054	0.000045 J	0.00002 J	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW10-ROX-011316	1/13/2016	44.43 - 54.43	42.53	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-11	MW11-ROX-040813	4/8/2013	41.66 - 51.66	42.02	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW11-ROX-070813	7/8/2013		39.24	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0052 U	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW11-ROX-100713	10/7/2013		39.95	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0011 U	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0011 U	<0.011	<0.0055 UJ
	MW11-ROX-011514	1/15/2014		42.16	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW11-ROX-040714	4/7/2014		42.70	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0056	<0.0056 U	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW11-ROX-070914	7/9/2014		41.75	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	0.0068 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW11-ROX-011216	1/12/2016	41.66 - 51.66	40.33	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-12	MW12-ROX-040813	4/8/2013	41.92 - 51.92	42.46	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW12-ROX-070913	7/9/2013		39.28	NE	<0.00011	<0.00011	<0.011	<0.00011	0.00012 J	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW12-ROX-100713	10/7/2013		40.22	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0055	<0.0022	<0.0055	<0.011 UJ	<0.0053 UJ	<0.00011	<0.00011	<0.0022	<0.011 UJ	<0.00062 U	<0.011 UJ	<0.0055 UJ
	MW12-ROX-011514	1/15/2014		42.54	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01 UJ	<0.0052 UJ	<0.0001	<0.0001	<0.0021	<0.01 UJ	<0.0052	<0.01 UJ	<0.0052
	MW12-ROX-040814	4/8/2014		43.15	NE	<0.00011	<0.00011	<0.01	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.01	<0.01 UJ	<0.0051	<0.00039 U	<0.0051	<0.01	<0.0051	<0.00011	<0.00011	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW12-ROX-070914	7/9/2014		41.97	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW12-ROX-011215	1/12/2015		42.33	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW12-ROX-040615	4/6/2015		43.75	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW12-ROX-070815	7/8/2015		42.86	NE	0.000018 J	<0.00011	<0.011	<0.00011	0.000046 J	0.000067 J	0.000083	0.000081 J	0.00011 J	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	0.00008 J	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW12-ROX-011116	1/11/2016	41.92 - 51.92	40.98	NE	<0.0002	<0.0002	<0.01	<0.0002	0.000085 J	0.00016 J	0.00035	0.00019 J	0.00014 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00028	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-13	MW13-ROX-041213	4/12/2013	25.57 - 35.57	29.44	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW13-ROX-071213	7/12/2013		25.67	NE	<0.00011	<0.000063 U	<0.011	<0.000058 U	<0.00014 U	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.00079 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054 UJ
	MW13-ROX-100913	10/9/2013		26.94	NE	0.000098 J	0.000071 J	<0.01	<0.0001	0.000022 J	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00068 J	<0.0052	<0.01	<0.0052	0.000034 J	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW13-ROX-012914	1/29/2014		29.63	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW13-ROX-041114	4/11/2014		30.15	NE	0.00013	0.000066 J	<0.012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012	<0.012	<0.006	<0.00069 U	<0.006	<0.012	<0.006	<0.00012	<0.00012	<0.0024	<0.012	<0.006	<0.012	<0.006
	MW13-ROX-070714	7/7/2014		28.49	NE	<0.00011	0.000061 J	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.00012	0.00019	<0.012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012	<0.012	<0.006	<0.0024	<0.006	<0.012	<0.006	<0.00012	<0.00012	<0.0024	<0.012	<0.006	<0.012	<0.006
	MW13-ROX-011615	1/16/2015		29.09	NE	0.00014	0.00009 J	<0.011	0.000053 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	0.00003 J	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW13-ROX-041415	4/14/2015		30.71	NE	<0.00011	0.000075 J	<0.011	0.000051 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	0.0013 J	<0.0056
	MW13-ROX-070815	7/8/2015		29.16	NE	0.000089 J	0.000057 J	<0.011	0.000028 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW13-ROX-010716	1/7/2016	25.57 - 35.57	27.16	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-14	MW14-ROX-041113	4/11/2013	33.42 - 43.42	33.31	NE	0.00068	0.000098 J	<0.011	<0.00011	0.00013	<0.00011	0.000054	0.000053 J	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW14-ROX-071213	7/12/2013		30.36	NE	0.00046 B	<0.000062 U	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	0.00066 J	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053 UJ
	MW14-ROX-101013	10/10/2013		30.80	NE	0.00065	0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	0.00019 J	<0.011	<0.0057	<0.011	<0.0057
	MW14-ROX-012914	1/29/2014		33.67	NE	0.00062	0.00012	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00056 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW14-ROX-041114	4/11/2014		34.30	NE	0.00037	0.000089 J	<0.012	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.012	<0.012	<0.006	<0.00069 U	<0.006	<0.012	<0.006	<0.00011	<0.00011	<0.0024	<0.012	<0.006	<0.012	<0.006
	MW14-ROX-070714	7/7/2014		32.82	NE	0.00033	0.000063 J	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00048 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW14-ROX-101414	10/14/2014		31.65	NE	0.00054	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW14-ROX-011615	1/16/2015		33.58	NE	0.00027	0.00006 J	<0.011	0.000015 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW14-ROX-041415	4/14/2015		35.16	NE	0.00026	0.000057 J	<0.01	0.00003 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.00011	<0.00011	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW14-ROX-070915	7/9/2015		34.06	NE	0.0002	0.000051 J	<0.01	0.000027 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	0.00051 J	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW-14-ROX-010816	1/8/2016	33.42 - 43.42	31.64	NE	0.00015 J	<0.0002	<0.01	<0.0002	<0.0002	0.000054 J	0.000046 J	0.000075 J	0.000048 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-16	MW16-ROX-040813	4/8/2013	37.06 - 47.06	43.39	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW16-ROX-070813	7/8/2013		40.62	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW16-ROX-100813	10/8/2013		41.62	NE	<0.0001 UJ	<0.0001 UJ	<0.01 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.0001 UJ	<0.01 UJ	<0.01 UJ	<0.0052 UJ	<0.0021 UJ	<0.0052 UJ	<0.01 UJ	<0.0052 UJ	<0.0001 UJ	<0.0001 UJ	<0.0021 UJ	<0.01 UJ	<0.0052 UJ	<0.01 UJ	<0.0052 UJ
	MW16-ROX-011514	1/15/2014		43.76	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00061 J	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW16-ROX-040914	4/9/2014		44.63	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.00059	<0.00012	<0.00059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.0059	<0.00012	<0.00012	<0.0024	<0.012	<0.0059	<0.012	<0.0059
	MW16-ROX-071014	7/10/2014		43.15	NE	<0.00011	<0.00011	<0.011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012	<0.012	<0.006	<0.0024	<0.006	<0.012	<0.006	<0.00012	<0.00012	<0.0024	<0.012	<0.006	<0.012	<0.006
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW16-ROX-070915	7/9/2015		44.26	NE	0.000026 J	0.00002 J	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	<0.00011	<0.00011	<0.011	0.000025 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW16-ROX-011216	1/12/2016	37.06 - 47.06	41.99	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-22	MW22-ROX-040513	4/5/2013	37.88 - 47.88	42.23	NE	0.00018	0.000049 J J	<0.011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0269	<0.0053
	MW22-ROX-071113	7/11/2013		39.35	NE	0.00026	0.00048	<0.011	0.000035 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.0017 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.104	<0.0054
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	0.00018	0.00047	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	0.0021 J	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	0.0978	<0.0056
	MW22-ROX-100913	10/9/2013		40.39	NE	0.00019	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0863	<0.0054
	MW22-ROX-100913-DUP	10/9/2013		40.39	NE	0.00018	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0826	<0.0054
	MW22-ROX-012014	1/20/2014		42.49	NE	0.00015	<0.00011	<0.053	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.053	<0.053	<0.027	<0.011	<0.027	<0.053	<0.027	<0.00011	<0.00011	<0.011	<0.053	<0.027	0.0399 J	<0.027
	MW22-ROX-012014-DUP	1/20/2014		42.49	NE	0.00014	<0.00011	<0.054	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.054	<0.054	<0.027	<0.011	<0.027	<0.054	<0.027	<0.00011	<0.00011	<0.011	<0.054	<0.027	0.0364 J	<0.027
	MW22-ROX-041014	4/10/2014		43.15	NE	0.0001 J	<0.00011	<0.056	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.056 UJ	<0.056	<0.028	<0.011	<0.028	<0.056	<0.028	<0.00011	<0.00011	<0.011	<0.056	<0.028	0.0316 J	<0.028
	MW22-ROX-041014-DUP	4/10/2014		43.15	NE	0.00012	<0.00011	<0.056	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.056 UJ	<0.056	<0.028	<0.011	<0.028	<0.056	<0.028	<0.00011	<0.00011	<0.011	<0.056	<0.028	0.032 J	<0.028
	MW22-ROX-071414	7/14/2014		41.85	NE	0.00013	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00045 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0281	<0.0054
	MW22-ROX-101014	10/10/2014		41.43	NE	0.00029	0.00019	<0.013	0.00019	<0.000063	<0.00013	<0.000063	<0.00013	<0.00013	<0.013	<0.013	<0.0063	<0.0025	<0.0063	<0.013	<0.0063	<0.00013	<0.00013	<0.0025	<0.013	<0.0063	<0.013	<0.0063
	MW22-ROX-011615	1/16/2015		42.19	NE	0.00015	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0329	<0.0053
	MW22-ROX-041415	4/14/2015		43.71	NE	0.00014	<0.0001	<0.01	0.000027 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	0.0143	<0.0052
	MW22-ROX-071515	7/15/2015		42.64	NE	0.00013	0.000028 J	<0.057	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.057	<0.057	<0.029	<0.011	<0.029	<0.057	<0.029	<0.00011	<0.00011	<0.011	<0.057	<0.029	<0.057	<0.029
	MW22-ROX-101415	10/14/2015		40.54	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.015	<0.01
	MW22-ROX-011516	1/15/2016	37.88 - 47.88	40.42	NE	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.02 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	<0.01	0.021	<0.01
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.018 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	<0.01	0.019	<0.01
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.001	<0.001	<0.005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0002	<0.0002	<0.005	<0.005	<0.005	<0.005	<0.005
	MW23-ROX-040815	4/8/2015		32.24	NE	0.000076 J	<0.0001	<0.01	0.000058 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	0.000028 J	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	0.000036 J	<0.00011	<0.011	0.000033 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	0.000018 J	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW-23-ROX-010716	1/7/2016	29.02 - 39.02	28.78	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	<0.0001	<0.0001 UJ	<0.01 UJ	<0.0001	<0.000052	<0.0001	0.000057	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW24-ROX-071113	7/11/2013		40.35	NE	0.000024 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011 UJ	<0.0053 UJ	<0.00011	<0.00011	<0.0022	<0.011 UJ	<0.0054	<0.011 UJ	<0.0054
	MW24-ROX-100913	10/9/2013		41.27	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW24-ROX-011514	1/15/2014		43.47	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW24-ROX-040914	4/9/2014		44.13	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW24-ROX-071114	7/10/2014		42.97	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW24-ROX-011315	1/13/2015		43.17	NE	0.000074 J	0.000077 J	<0.011	0.000022 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0003 U	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.0001	<0.0001	<0.01	0.000044 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01
	MW24-ROX-011316	1/13/2016	38.89 - 48.89	41.44	NE	<0.0002	<0.0002	<0.01	<0.0002	0.000078 J	0.000059 J	0.00006 J	0.000067 J [4]	0.000096 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000092 J	0.000081 J	<0.01	<0.01	<0.01	<0.01	<0.01
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	0.0025 J	<0.0056
	MW25-ROX-012215	1/22/2015		38.45	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00059 J	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW25-ROX-042115	4/21/2015		39.71	NE	0.000032 J	<0.0001	<0.01	0.000016 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	MW25-ROX-071515	7/15/2015		38.40	NE	0.000036 J	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW25-ROX-101915	10/19/2015		36.55	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW25-ROX-011416	1/14/2016	35.59 - 45.59	36.12	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01 UJ	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW26-ROX-010716	1/7/2016	38.15 - 48.15	39.55	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW27-ROX-011515	1/15/2015		42.06	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	0.0001 J J	0.00013 J	0.000029 J [4]	0.000078 J [4]	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	0.000051 J [4]	<0.0021	<0.011	<0.00029 U	<0.011	<0.0053
	MW27-ROX-041015	4/10/2015		43.22	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.00041 U	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.0002	<0.0002	<0.01	0.000024 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW27-ROX-011316	1/13/2016	39.79 - 49.79	40.68	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	MW28-ROX-011515	1/15/2015		41.14	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	0.0007 J	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	0.0012 J	<0.0055
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000057	0.000027 J	0.00006	0.00004 J	0.00002 J	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	MW28-ROX-101215	10/12/2015		40.04	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	MW28-ROX-011416	1/14/2016	33.61 - 43.61	39.98	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
P-54	P54-ROX-041013	4/10/2013	38.00 - 63.00	41.80	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057 UJ
	P54-ROX-050313	5/3/2013		41.80	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P54-ROX-071113	7/11/2013		39.07	NE	0.000032 J	0.000016 J	<0.01	0.000018 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	0.00052 J	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P54-ROX-100813	10/8/2013		39.94	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	P54-ROX-011514	1/15/2014		42.20	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00058 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P54-ROX-040914	4/9/2014		42.80	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012	<0.012	<0.006	<0.0024	<0.006	<0.012	<0.006	<0.00012	<0.00012	<0.0024	<0.012	<0.006	<0.012	<0.006
	P54-ROX-071114	7/10/2014		41.71	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P54-ROX-100814	10/8/2014		40.88	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P54-ROX-011415	1/14/2015		41.79	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P54-ROX-041015	4/10/2015		43.20	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P54-ROX-070915	7/9/2015		42.25	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P54-ROX-100915	10/9/2015		40.20	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P54-ROX-011216	1/12/2016	38.00 - 63.00	40.22	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
P-55R	P55-ROX-041513	4/15/2013	40.43 - 50.43	43.63	NE	0.00073	0.00021	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	0.0017 J	<0.01	<0.0052	<0.01	<0.0052
	P55-ROX-071613	7/16/2013		40.06	NE	0.00066	0.0002	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056 UJ	<0.00066 U	<0.0056	<0.011	<0.0056 UJ	<0.00011	<0.00011	0.0016 J	<0.011	<0.0056	0.0024 J	<0.0056
	P55-ROX-101013	10/10/2013		41.67	NE	0.00071	0.00019	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0055	0.0006 J	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	0.0016 J	<0.011	<0.0055	0.0014 J	<0.0055
P-56	P56-ROX-041213	4/12/2013	40.82 - 65.82	46.12	NE	0.00053	0.000088 J	<0.011	0.0001 J	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	P56-ROX-071513	7/15/2013		43.25	NE	0.00065	0.00013	<0.011	0.00014	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055 UJ	<0.0022	<0.0055	<0.011	<0.0055 UJ	<0.00011	<0.00011	0.00075 J	<0.011	<0.0055	0.0086 J	<0.0055
	P56-ROX-101013	10/10/2013		44.48	NE	0.0006	0.000092 J	<0.011	0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	0.00059 J	<0.011	<0.0055	0.0042 J	<0.0055
	P56-ROX-012214	1/22/2014		46.35	NE	0.00055	<0.0001	<0.01	0.00013	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	0.00047 J	<0.01	<0.0052	<0.01	<0.0052
	P56-ROX-041414	4/14/2014		47.32	NE	0.00051	0.000081 J	<0.012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.0059	<0.00012	<0.00012	0.00067 J	<0.012	<0.0059	<0.012	<0.0059
	P56-ROX-070814	7/8/2014		45.97	NE	0.00035	0.000081 J	<0.011 UJ	0.0001 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	0.00049 J	<0.011	<0.0056	<0.011	<0.0056
	P56-ROX-101314	10/13/2014		45.05	NE	0.00057	0.00011	<0.011	0.00012	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.001 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.00055 J	<0.011	<0.0054	<0.011	<0.0054
	P56-ROX-011915	1/19/2015		46.58	NE	0.00068	0.000079 J	<0.011	0.000097 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P56-ROX-041515	4/15/2015		48.05	NE	0.00061	0.0001 J	<0.011	0.00013	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00038 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.00055 J	<0.011	<0.0054	0.0026 J	<0.0054
	P56-ROX-071015	7/10/2015		47.34	NE	0.00065	0.000095 J	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P56-ROX-101415	10/14/2015		44.85	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.028 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P56-ROX-011116	1/11/2016	40.82 - 65.82	44.78	NE	0.00057	0.000092 J	<0.01	0.00021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	0.0089 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
P-57	P57-ROX-041113	4/11/2013	40.46 - 65.46	46.29	NE	0.00063	0.00012	<0.01	0.000073 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P57-ROX-071613	7/16/2013		43.38	NE	0.00047	0.0001 J	<0.011	0.000077 J	0.00012	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056 UJ	<0.0022	<0.0056	<0.011	<0.0056 UJ	<0.00011	<0.00011	0.00088 J	<0.011	<0.0056	0.002 J	<0.0056
	P57-ROX-101413	10/14/2013		44.38	NE	0.00045	0.000071 J	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.0012 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.00082 J	<0.011	<0.0054	0.0029 J	<0.0054
	P57-ROX-020314	2/3/2014		46.57	NE	0.00041	0.000075 J	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.00067 J	<0.011	<0.0053	<0.011	<0.0053
	P57-ROX-041514	4/15/2014		46.70	NE	0.00036	0.000074 J	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	0.0007 J	<0.011	<0.0056	<0.011 UJ	<0.0056
	P57-ROX-070814	7/8/2014		45.95	NE	0.00029	0.000069 J	<0.011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.0007 J	<0.011	<0.0053	<0.011	<0.0053
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	0.00029	0.000075 J	<0.011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.00071 J	<0.011	<0.0054	<0.011	<0.0054
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	0.0003	<0.00012	<0.012	<0.00012	<0.000058	<0.00012	<0.000058	<0.00012	<0.00012	<0.012	<0.012	<0.0058	<0.0023	<0.0058	<0.012	<0.0058	<0.00012	<0.00012	<0.0023	<0.012	<0.0058	<0.012	<0.0058
	P57-ROX-101414	10/14/2014		45.00	NE	0.00036	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	0.00059	0.00014	<0.011	0.000073 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.0013 J	<0.011	<0.0053	<0.011	<0.0053
	P57-ROX-042015	4/20/2015		48.73	NE	0.00054	0.00012	<0.01	0.00009 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	0.0011 J	<0.01	<0.0052	<0.01	<0.0052
	P57-ROX-071315	7/13/2015		47.81	NE	0.00049	0.0001 J	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P57-ROX-101515	10/15/2015		45.56	NE	0.00029	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0076 J *	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.00067 J	<0.01	<0.01	<0.01	<0.01
	P57-ROX-011216	1/12/2016	44.19 - 54.19	45.61	NE	0.00046 J	0.00022 J	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	0.001 J	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
P-58	P58-ROX-041113	4/11/2013	40.21 - 65.21	44.40	NE	0.0015	0.0005	<0.011	<0.00011	0.0003	0.00019	0.000095	0.000074 J	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	0.00032	<0.00011	0.0044	<0.011	<0.0054	<0.011	<0.0054
	P58-ROX-071613	7/16/2013		41.49	NE	0.00076	0.00027	<0.011	0.000096 J	0.00018	0.000073 J	0.000045 J	<0.00011	<0.00011	<0.011	<0.011	<0.0055 UJ	<0.0022	<0.0055	<0.011	<0.0055 UJ	0.00012	<0.00011	0.0025	<0.011	<0.0055	<0.011	<0.0055
	P58-ROX-101413	10/14/2013		42.19	NE	0.00084	<0.00011	<0.011	<0.00011	<0.000054	0.000067 J	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.0099	<0.0054	<0.011	<0.0054	0.000099 J	<0.00011	0.0024	<0.011	<0.0054	0.0016 J	<0.0054
	P58-ROX-020314	2/3/2014		44.66	NE	0.00061	0.00018	<0.01	<0.0001	0.000035 J	0.000047 J	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	0.000079 J	<0.0001	0.0016 J	<0.01	<0.0052	<0.01	<0.0052
	P58-ROX-041514	4/15/2014		45.66	NE	0.0011	0.00072	0.0028 J	0.00071	0.00082	0.00063	0.00072	0.00071	0.00071	<0.011 UJ	0.0051 J	0.0015 J	<0.00099 U	0.00091 J	0.0044 J	0.0043 J	0.00073	0.00075	0.0023	<0.011 UJ	0.00077 J	<0.011 UJ	<0.0053 UJ
	P58-ROX-071814	7/18/2014		43.80	NE	0.00067	0.00021	<0.011	<0.00011	0.000083	0.000086 J	0.000045 J	0.000035 J	<0.00011	<0.011 UJ	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	0.00015	<0.00011	0.0018 J	<0.011	<0.0055	<0.011	<0.0055
	P58-ROX-101514	10/15/2014		43.14	NE	0.00058	0.00023	<0.011	<0.00011	0.00013	0.00011	0.000074	0.000065 J	<0.00011	<0.011	<0.011	0.014	<0.00042 U	<0.0054	<0.011	<0.0054	0.00018	<0.00011	0.0022	<0.011	<0.0054	<0.011	<0.0054
	P58-ROX-012315	1/23/2015		45.32	NE	0.0006	0.00018	<0.011	0.000053 J	0.000026 J	0.00002 J	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	0.000032 J	<0.00011	0.0019 J	<0.011	<0.0053	<0.011	<0.0053
	P58-ROX-042015	4/20/2015		46.67	NE	0.00064	0.00017	<0.01	0.000077 J	0.000052	0.000063 J	0.000059	0.000028 J	0.000016 J	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	0.000095 J	<0.0001	0.002 J	<0.01	<0.0052	<0.01	<0.0052
	P58-ROX-071415	7/14/2015		45.54	NE	0.00059	0.00018	<0.011	<0.00011	0.000087	0.000074 J	<0.000055	0.000042 J	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	0.00015	<0.00011	0.002 J	<0.011	<0.0055	<0.011	<0.0055
	P58-ROX-101615	10/16/2015		43.45	NE	0.00021	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.00059 J	<0.01	<0.01	<0.01	<0.01
	P58-ROX-011316	1/13/2016	40.21 - 65.21	43.18	NE	0.00069	0.00022	<0.01	0.000067 J	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
P-59	P59-ROX-041213	4/12/2013	47.91 - 72.91	46.95	NE	0.00057	0.00013	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	0.0831 J	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0919	<0.0054
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	0.00058	0.00012	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	0.0518 J	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0914	<0.0053
	P59-ROX-071613	7/16/2013		44.13	NE	0.00035	0.000071 J	<0.011	0.000092 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054 UJ	<0.0022	<0.0054	<0.011	<0.0054 UJ	<0.00011	<0.00011	0.00041 J	<0.011	<0.0054	0.0583	<0.0054
	P59-ROX-101013	10/10/2013		45.50	NE	0.00055	0.000084 J	<0.011	0.00021	0.000068	<0.00011	0.000039 J	<0.00011	<0.00011	<0.011 UJ	0.0009 J	<0.0054	0.00069 J	<0.0054	<0.011	<0.0054	0.000088 J	<0.00011	<0.0022	<0.011	<0.0054	0.078	<0.0054
	P59-ROX-020314	2/3/2014		47.35	NE	0.00046	<0.0001	<0.01	0.00018	0.000035 J	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	0.000046 J	<0.0001	<0.0021	<0.01	<0.0052	0.147 J	<0.0052
	P59-ROX-041514	4/15/2014		48.60	NE	0.0013	<0.00011	<0.011	0.00018	0.00006	0.000042 J	0.000044 J	0.000035 J	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	0.0001 J	<0.00011	<0.0021	<0.011	<0.0053	<0.011 UJ	<0.0053
	P59-ROX-070814	7/8/2014		47.69	NE	0.0015	0.000091 J	<0.011 UJ	0.00012	0.000029 J	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	0.000027 J	<0.00011	<0.0023	<0.011	<0.0057	0.17	<0.0057
	P59-ROX-101414	10/14/2014		46.18	NE	0.00045 J	<0.00054	<0.011	<0.00054	<0.00027	<0.00054	<0.00027	<0.00054	<0.00054	<0.011	<0.011	0.0035 J	<0.0022	<0.0054	<0.011	<0.0054	<0.00054	<0.00054	<0.0022	<0.011	<0.0054	0.0492	<0.0054
	P59-ROX-011915	1/19/2015		47.42	NE	0.00075	0.00013	<0.011	0.00021	0.000038 J	0.000021 J	<0.000054	0.00002 J	<0.00011	<0.011	<0.011	<0.0054	0.00042 J	<0.0054	<0.011	<0.0054	0.000047 J	<0.00011	<0.0022	<0.011	<0.0054	0.153	<0.0054
	P59-ROX-041615	4/16/2015		48.83	NE	0.00031	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.165	<0.0054
	P59-ROX-071315	7/13/2015		47.85	NE	0.00058	<0.00011	<0.011	0.00037	0.000068	0.000035 J	0.000056	0.000037 J	0.000033 J	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	0.00013	<0.00011	<0.0022	<0.011	<0.0054	0.113	<0.0054
	P59-ROX-101515	10/15/2015		45.75	NE	<0.002	<0.002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.077	<0.01
	P59-ROX-011216	1/12/2016	47.91 - 72.91	46.10	NE	0.00036 J	0.00019 J	<0.01	0.00021 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	0.0095 J	<0.01
P-66	P66-ROX-041113	4/11/2013	34.72 - 59.72	36.03	NE	0.0011	0.00028	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.0025	<0.011	<0.0053	<0.011	<0.0053
	P66-ROX-071213	7/12/2013		33.20	NE	0.00087	<0.00011	<0.011	<0.0002 U	0.00018 B	<0.00015 U	0.00017 B	<0.00019 U	0.00015	<0.011 UJ	<0.011	<0.0056	0.0124	<0.0056	<0.011	<0.0056	0.00017	0.00017	0.0016 J	<0.011	<0.0056	<0.011	<0.0056 UJ
	P66-ROX-101013	10/10/2013		33.66	NE	0.00066	0.0002	<0.011	<0.00011	0.000028 J	<0.00011	<0.000056	0.000036 J	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	0.0016 J	<0.011	<0.0056	<0.011	<0.0056
	P66-ROX-110713	11/7/2013		33.66	NE																						
	P66-ROX-012914	1/29/2014		36.39	NE	0.00099	0.00032	<0.011	<0.00011	0.000039 J	0.000044 J	0.000048 J	0.000052 J	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	0.000047 J	0.000035 J	0.0019 J	<0.011	<0.0053	<0.011	<0.0053
	P66-ROX-041114	4/11/2014		37.10	NE	0.00058	0.00017	<0.012	<0.00012	<0.000058	<0.00012	<0.000058	<0.00012	<0.00012	<0.012	<0.012	<0.0058	<0.00068 U	<0.0058	<0.012	<0.0058	<0.00012	<0.00012	<0.0023	<0.012	<0.0058	<0.012	<0.0058
	P66-ROX-070714	7/7/2014		35.60	NE	0.00033	0.00016	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P66-ROX-101414	10/14/2014		34.48	NE	0.00045	0.00018	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	0.0012 J	<0.011	<0.0055	<0.011	<0.0055
	P66-ROX-011615	1/16/2015		36.62	NE	0.00067	0.00026	<0.011	0.000065 J J	0.00003 J J	<0.00011 UJ	<0.000053 UJ	<0.00011	<0.00011 UJ	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	0.000029 J J	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	0.00068	0.00027	<0.011	0.00031 J	0.00043 J	0.0003 J	0.00032 J	0.00015	0.00023 J	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	0.00032 J	0.000062 J	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P66-ROX-041415	4/14/2015		38.27	NE	0.0006	0.00022	<0.011	<0.00011	<0.000054	0.000019 J	0.000055	0.000022 J	0.000021 J	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	0.000024 J	<0.00011	0.0016 J	<0.011	<0.0054	<0.011	<0.0054
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	0.00066	0.00021	<0.011	0.000044 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.0016 J	<0.011	<0.0053	<0.011	<0.0053
	P66-ROX-070815	7/8/2015		37.24	NE	0.00054	0.00017	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.001 J	<0.011	<0.0053	<0.011	<0.0053
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	0.00051	0.00021	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	0.000017 J	<0.00011	0.0011 J	<0.011	<0.0053	<0.011	<0.0053
	P66-ROX-101315	10/13/2015		34.84	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P-66-ROX-010816	1/8/2016	34.72 - 59.72	34.64	NE	0.00071	0.00022	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.0012 J	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
P-74	P74-ROX-041113	4/11/2013	44.43 - 69.43	42.83	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P74-ROX-071513	7/15/2013		40.11	NE	<0.000063 U	<0.00011	<0.011	0.000032 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	0.0013 J	<0.0054	<0.011	<0.0054
	P74-ROX-101413	10/14/2013		41.72	NE	0.0002	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00097 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	0.00033 J	0.0012 J	<0.0054	0.0019 J	<0.0054
	P74-ROX-012414	1/24/2014		43.35	NE	0.00023	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.00063 J	0.00097 J	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P74-ROX-041514	4/15/2014		44.74	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.0059	<0.00012	<0.00012	<0.0024	<0.012	<0.0059	<0.012 UJ	<0.0059
	P74-ROX-070814	7/8/2014		43.02	NE	<0.00011	<0.00011	<0.011 UJ	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	P74-ROX-101414	10/14/2014		41.48	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	0.00096 J	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	P74-ROX-011915	1/19/2015		43.47	NE	0.00018	0.000061 J	<0.011	0.000046 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.02	<0.0053
	P74-ROX-041515	4/15/2015		44.61	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P74-ROX-071015	7/10/2015		43.28	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P74-ROX-101415	10/14/2015		41.75	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.021	<0.01
	P74-ROX-011116	1/11/2016	44.43 - 69.43	40.67	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
P-93A	P93A-ROX-041113	4/11/2013	48.17 - 63.17	46.29	NE	0.00023	<0.0001	<0.01	0.000074 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	0.00021	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	P93A-ROX-071813	7/18/2013		43.25	NE	<0.00011	0.000032 J	<0.011	0.00003 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	0.00024 J	<0.011	<0.0056	<0.011	<0.0056
	P93A-ROX-101113	10/11/2013		44.18	NE	0.00017	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	P93A-ROX-012914	1/29/2014		46.53	NE	0.00022	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P93A-ROX-041714	4/17/2014		47.41	NE	0.00013	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P93A-ROX-071814	7/18/2014		45.70	NE	0.00017	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0057	0.0041	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.00037 U	<0.011	<0.0057
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	0.00016	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	P93A-ROX-101514	10/15/2014		45.06	NE	0.0002	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0004 U	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	0.0003 J	<0.01	<0.0052	<0.01	<0.0052
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	0.00022 J	<0.00011 UJ	<0.011 UJ	<0.00011 UJ	<0.000054 UJ	<0.00011 UJ	<0.000054 UJ	<0.00011 UJ	<0.00011 UJ	<0.011 UJ	<0.011 UJ	0.0044 J J	<0.0041 UJ	<0.0054 UJ	<0.011 UJ	<0.0054 UJ	<0.00011 UJ	<0.00011 UJ	0.00033 J J	<0.011 UJ	<0.0054 UJ	<0.011 UJ	<0.0054 UJ
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	<0.001	<0.001	<0.005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0002	<0.0002	<0.005	<0.005	<0.005	<0.005	<0.005
	P93A-ROX-041715	4/17/2015		47.02	NE	0.00011	<0.00011	<0.011	0.000031 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.00046 J	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	0.00029 J	<0.011	<0.0053	<0.011	<0.0053
	P93A-ROX-071315	7/13/2015		45.93	NE	0.00011	0.000029 J	<0.01	0.00003 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00048 J	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P93A-ROX-101515	10/15/2015		43.69	NE	0.000079 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	0.00008 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P-93A-ROX-011216	1/12/2016	43.07 - 53.07	43.73	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.01 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
P-93B	P93B-ROX-041113	4/11/2013	74.60 - 76.60	46.32	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P93B-ROX-071813	7/18/2013		43.30	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P93B-ROX-101613	10/16/2013		44.43	NE	<0.0001	0.000065 J	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
	P93B-ROX-101613-DUP	10/16/2013		44.43	NE	<0.0001	0.000091 J	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P93B-ROX-012814	1/28/2014		46.58	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	0.00072 J	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	P93B-ROX-012814-DUP	1/28/2014		46.58	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0012 J	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P93B-ROX-041714	4/17/2014		47.46	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	0.0015 J	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P93B-ROX-041714-DUP	4/17/2014		47.46	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	0.00045 J	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P93B-ROX-071714	7/17/2014		45.75	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P93B-ROX-101514	10/15/2014		45.15	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P93B-ROX-012315	1/23/2015		47.24	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.00063 J	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	0.000019 J	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P93B-ROX-021915	2/19/2015		47.24	NE																						
	P93B-ROX-041615	4/16/2015		48.42	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.00099 J	<0.0053
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.00084 J	<0.0053
	P93B-ROX-070915	7/9/2015		47.74	NE	<0.0001	<0.0001	<0.01	0.000029 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	0.0153	<0.002	<0.0051	<0.01	<0.0051	0.000017 J	<0.0001	<0.002	<0.01	<0.0051	0.0009 J	<0.0051
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	0.000062 J	0.00004 J	<0.01	0.000041 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	0.0142	<0.002	<0.0051	<0.01	<0.0051	0.000016 J	<0.0001	<0.002	<0.01	<0.0051	0.00082 J	<0.0051
	P93B-ROX-101515	10/15/2015		45.18	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P93B-ROX-011316	1/13/2016	74.60 - 76.60	44.96	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
P-93C	P93C-ROX-041213	4/12/2013	94.26 - 96.26	46.21	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005 UJ
	P93C-ROX-071813	7/18/2013		43.31	NE	<0.000045 U	<0.00011	<0.011	0.000021 J	<0.000056	0.00015	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P93C-ROX-080813	8/8/2013		43.31	NE																							
	P93C-ROX-101613	10/16/2013		44.31	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P93C-ROX-012414	1/24/2014		46.44	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P93C-ROX-041714	4/17/2014		47.34	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P93C-ROX-071714	7/17/2014		45.61	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	46.77	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P93C-ROX-021915	2/19/2015		46.77	NE																							
	P93C-ROX-041615	4/16/2015		48.22	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P93C-ROX-071315	7/13/2015		47.09	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P-93C-ROX-010816	1/8/2016	92.47 - 97.47	44.68	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
P-93D	P93D-ROX-041113	4/11/2013	125.75 - 127.75	46.37	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P93D-ROX-071213	7/12/2013		43.51	NE	<0.000026 U	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	0.00057 J	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056 UJ
	P93D-ROX-101113	10/11/2013		44.24	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01 UJ	<0.005 UJ	<0.0001	<0.0001	<0.002	<0.01 UJ	<0.005	<0.01 UJ	<0.005
	P93D-ROX-013114	1/31/2014		46.62	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.0045	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P93D-ROX-041414	4/14/2014		47.54	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0005 U	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P93D-ROX-071714	7/17/2014		45.78	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P93D-ROX-101514	10/15/2014		45.14	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P93D-ROX-110414	11/4/2014		45.14	NE																							
	P93D-ROX-012315	1/23/2015		42.28	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P93D-ROX-021915	2/19/2015		42.28	NE																							
	P93D-ROX-042015	4/20/2015		48.52	NE	<0.0001	<0.0001	<0.01	0.000017 J	<0.000052	<0.0001	0.000061	0.00002 J	0.000023 J	<0.01	<0.01	<0.0052	<0.00035 U	<0.0052	<0.01	<0.0052	0.000021 J	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P93D-ROX-070915	7/9/2015		47.96	NE	<0.0001	<0.0001	<0.01	0.000018 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	0.0043 J	<0.002	<0.0051	<0.01	<0.0051	0.000016 J	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P93D-ROX-101515	10/15/2015		45.28	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P93D-ROX-011316	1/13/2016	125.75 - 127.75	45.10	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
P-114	P114-ROX-041513	4/15/2013	32.67 - 52.67	31.80	NE	<0.0001	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.0052	0.0023	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	P114-ROX-071813	7/18/2013		27.22	NE	0.00013 B	<0.00011	<0.011	0.00011	0.000045 J	0.000034 J	0.000064	0.000067 J	<0.00011	<0.011 UJ	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	0.000073 J	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.00011	<0.00011	<0.011	0.00013	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P114-ROX-101713	10/17/2013		29.43	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P114-ROX-012814	1/28/2014		32.11	NE	<0.00011	<0.00011	<0.011	0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00066 J	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	P114-ROX-042114	4/21/2014		32.22	NE	0.00011	<0.0001	<0.01	0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P114-ROX-071814	7/18/2014		30.87	NE	0.000082 J	<0.0001	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01	<0.0051
	P114-ROX-101714	10/17/2014		29.43	NE	0.000078 J	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	P114-ROX-012115	1/21/2015		31.53	NE	0.00019	<0.00011	<0.011	0.000096 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	P114-ROX-041715	4/17/2015		NM	NE	0.00021	0.000044 J	<0.011	0.000054 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.00038 J	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	P114-ROX-070815	7/8/2015		29.16	NE	0.0002	<0.0001	<0.01	0.000035 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.005	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01	<0.005
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	26.24	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000071 J	0.00007 J	<0.0002	0.00006 J	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	P114R-ROX-010716	1/7/2016	23.01 - 33.01	25.62	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Acenaphthene	Acenaphthylene	Aniline	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	2-Chlorophenol	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate
				Screening Values (mg/L)		0.42 [1]	0.21 [3]	0.023 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.035 [2]	0.012 [1]	0.0003 [1]	0.007 [3]	0.021 [2]	5.6 [1]	0.14 [2]	
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
ROST-3-MW	ROST3MW-ROX-040513	4/5/2013	37.81 - 47.81			0.0729	0.00016	<0.00011 UJ	<0.011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
	ROST3MW-ROX-071113	7/11/2013		39.50	NE	0.00029	<0.00011	<0.011	0.000091 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.00061 J	<0.0054	<0.011 UJ	<0.0054 UJ	<0.00011	<0.00011	0.00025 J	<0.011 UJ	<0.0054	0.0016 J J	<0.0054
	ROST3-MW-ROX-100913	10/9/2013		40.16	NE	0.0001 J	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011 UJ	<0.0054 UJ	<0.00011	<0.00011	<0.0022	<0.011 UJ	<0.0054	<0.011 UJ	<0.0054
	ROST3MW-ROX-011714	1/17/2014		42.20	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011 UJ	<0.0053 UJ	<0.00011	<0.00011	<0.0021	<0.011 UJ	<0.0053	<0.011 UJ	<0.0053
	ROST3MW-ROX-041014	4/10/2014		42.80	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012 UJ	<0.012	<0.006	<0.0024	<0.006	<0.012	<0.006	<0.00012	<0.00012	<0.0024	<0.012	<0.006	<0.012	<0.006
	ROST3MW-ROX-071414	7/14/2014		41.88	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	0.00046 J	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	0.000027 J	<0.00011	<0.011	0.000019 J J	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	0.000028 J	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01	<0.0052
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	0.000037 J	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	0.000081 J	<0.0002	<0.01	0.00003 J	0.000092 J	0.000089 J	0.00011 J	0.000089 J	0.00012 J	<0.03	<0.01	<0.01	0.0039 J	<0.01	<0.01	<0.01	0.000095 J	0.000094 J	<0.01	<0.01	<0.01	<0.01	<0.01
	ROST3MW-ROX-011416	1/14/2016	37.81 - 47.81	40.30	NE	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
ROST-4-PZ(C)	ROST4PZC-ROX-041013	4/10/2013	34.95 - 44.95	42.27	NE	0.000066 J	0.000018 J	<0.011	0.000033 J	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.0055	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011	<0.0055
	ROST4PZC-ROX-071113	7/11/2013		40.18	NE	0.00019	0.000073 J	<0.011	0.00012	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.0032	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	ROST4PZC-ROX-100913	10/9/2013		39.91	NE	0.00012	<0.00011	<0.011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	ROST4PZC-ROX-011714	1/17/2014		41.92	NE	<0.00012	<0.00012	<0.012	<0.00012	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.01 UJ	<0.012	<0.0059	<0.0024	<0.0059	<0.01 UJ	<0.005 UJ	<0.00012	<0.00012	<0.0024	<0.01 UJ	<0.0059	<0.01 UJ	<0.0059
	ROST4PZC-ROX-041014	4/10/2014		42.05	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	ROST4C-ROX-071114	7/10/2014		42.22	NE	<0.0001	<0.0001	<0.011	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.011	<0.011	<0.0053	0.0007 J	<0.0053	<0.011	<0.0053	<0.0001	<0.0001	<0.0021	<0.011	<0.0053	<0.011	<0.0053
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	<0.00011	<0.00011	<0.011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	0.0042	<0.0057	<0.011	<0.0057	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011	<0.0057
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	<0.0001	<0.0001	<0.01	0.000018 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	0.0013 J	<0.0051
	ROST4PZ-ROX-071315	7/13/2015		41.86	NE	0.000093 J	<0.0001	<0.01	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	0.0028 J	<0.0052
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	0.00019 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01
	ROST4PZC-ROX-011516	1/15/2016	34.95 - 44.95	40.54	NE	0.00046 J	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	<0.01	0.0046 J	<0.01
T-12	T12-ROX-041513	4/15/2013	46.72 - 72.72	44.99	NE	0.00063	0.00009 J	<0.01	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	0.00048 J	<0.01	<0.0051	<0.01	<0.0051
	T12-ROX-071613	7/16/2013		42.33	NE	0.00055	0.0001 J	<0.011	0.00015	0.00013	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	0.001 J	<0.0054 UJ	<0.0044 U	<0.0054	<0.011	<0.0054 UJ	<0.00011	<0.00011	0.00042 J	<0.011	<0.0054	0.0096 J	<0.0054
	T12-ROX-101513	10/15/2013		43.73	NE	0.00036	<0.00011	<0.011	0.00012	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	0.000028 J	<0.00011	0.00029 J	<0.011	<0.0054	0.0047 J	<0.0054
	T12-ROX-012414	1/24/2014		45.26	NE	0.0005	<0.0001	<0.01	0.00014	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0001	<0.0001	<0.002	<0.01	<0.0051	0.0073 J	<0.0051
	T12-ROX-041514	4/15/2014		46.72	NE	0.00037	<0.00011	<0.011	0.00012	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	0.00031 J	<0.011	<0.0056	<0.011 UJ	<0.0056
	T12-ROX-070814	7/8/2014		45.13	NE	0.00024	<0.00011	<0.011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011	<0.0054
	T12-ROX-101714	10/17/2014		44.40	NE	0.00036	0.000072 J	<0.011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011	<0.0056
	T12-ROX-011915	1/19/2015	46.83 - 72.83	45.27	NE	0.00039	0.000064 J	<0.011	0.00013	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0069 J	<0.0053
	T12-ROX-041515	4/15/2015		46.73	NE	0.00036	0.000065 J	<0.011	0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.0056	<0.00011	<0.00011	0.00033 J	<0.011	0.00036 J J	0.0044 J	<0.0056
	T12-ROX-071015	7/10/2015		46.09	NE	0.00034	<0.00011	<0.011	0.00015	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.0054	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0041 J	<0.0054
	T12-ROX-101515	10/15/2015		43.72	NE	0.00022	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.01	0.004 J	<0.01
	T12-ROX-011216	1/12/2016	46.83 - 72.83	44.13	NE	0.00042	<0.0004	<0.01	0.00015 J	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0004	<0.0004	<0.01	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-01	MW1-ROX-040913	4/9/2013	48.80 - 58.80	42.55	NE	<0.0012 U	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW1-ROX-070813	7/8/2013		39.56	NE	<0.0051	<0.0051	<0.01	<0.025	0.000033 J	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000043 U	<0.0051	<0.0001	<0.01
	MW1-ROX-100313	10/3/2013		40.28	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW1-ROX-011414	1/14/2014		42.77	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011 UJ	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0053	<0.011 UJ	0.000031 J	<0.0053 UJ	<0.00011	<0.011
	MW1-ROX-040714	4/7/2014		43.28	NE	<0.00029 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011 UJ	<0.011 UJ	<0.011	<0.0054	<0.0054	<0.0054	<0.011 UJ	<0.000023 U	<0.0057 UJ	<0.00011	<0.011
	MW1-ROX-070914	7/9/2014		42.09	NE	0.0016 JB	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.000085 J	0.00012 JB J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW1-ROX-100614	10/6/2014		41.1	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011	<0.011
	MW1-ROX-011215	1/12/2015		42.73	NE	<0.0053	<0.0053	<0.011	<0.025	0.000017 J	0.000027 J	<0.0053		<0.00011	<0.0053	<0.00003 U	<0.000036 U	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00003 J	<0.0053	<0.00011	<0.011 UJ
	MW1-ROX-040615	4/6/2015		44.11	NE	0.00044 J	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000018 J	0.000035 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW1-ROX-070815	7/8/2015		43.35	NE	<0.0053	<0.0053	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000038 J	0.000066 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000022 J	<0.0053	<0.00011	<0.011
	MW1-ROX-100615	10/6/2015		40.83	NE	<0.01	0.00056 J	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000057 J	0.000096 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW1-ROX-010816	1/8/2016	48.80 - 58.80	40.93	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	0.000062 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-02	MW2-ROX-040913	4/9/2013	49.87 - 59.87	43.70	NE	<0.0054	<0.0054	<0.011	<0.13	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.012	0.0256	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW2-ROX-071113	7/11/2013		40.82	NE	<0.0055	<0.0055	<0.011		<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	0.0123 J	0.0249	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000051 U	<0.0055 UJ	<0.00011	<0.011 UJ
	MW2-ROX-100813	10/8/2013		41.73	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.009	0.0201	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW2-ROX-012014	1/20/2014		44.00	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.0094	0.0208	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000043 U	<0.0053	<0.00011	<0.011 UJ
	MW2-ROX-041014	4/10/2014		44.66	NE	<0.00046 U	<0.006	<0.012	<0.025	<0.00012	<0.00012	<0.006		<0.00012	<0.006	0.0083	0.0193	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	<0.00006	<0.006	<0.00012	<0.012
	MW2-ROX-071414	7/14/2014		43.13	NE	<0.00045 U	<0.0054	<0.011	<0.025	0.00012	0.00014	<0.0054		<0.00011	<0.0054	0.01	0.0215	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.00017 U	<0.0054	0.000096 J	<0.011
	MW2-ROX-101014	10/10/2014		42.49	NE	<0.0051	<0.0051	<0.01	<0.05	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	0.01	0.0214	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	MW2-ROX-011615	1/16/2015		44.1	NE	<0.00034 U	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.0108	0.0236	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000025 J	<0.0053	<0.00011	<0.011
	MW2-ROX-041315	4/13/2015		45.56	NE	<0.00045 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.0124	0.0253	<0.011	0.00066 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000023 J	<0.0054	<0.00011	<0.011
	MW2-ROX-071315	7/13/2015		44.53	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	0.000036 J	<0.0054		<0.00011	<0.0054	0.0129	0.0283	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000027 JB J	<0.0054	<0.00011	<0.011
	MW2-ROX-101215	10/12/2015		42.15	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.01	0.017	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW2-ROX-011416	1/14/2016	49.87 - 59.87	42.04	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.011	0.013	<0.01	0.001 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-03	MW3-ROX-040813	4/8/2013	34.67 - 44.67	29.74	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		<0.00011	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011	<0.011 UJ
	MW3-ROX-071113	7/11/2013		26.32	NE	<0.0054	<0.0054	<0.011		<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00044 J	0.00038	<0.011	<0.011	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011	<0.000039 U	<0.0054 UJ	<0.000072 U	<0.011 UJ
	MW3-ROX-100813	10/8/2013		27.38	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00013 J	0.00014 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW3-ROX-011614	1/16/2014		29.91	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011 UJ	<0.011 UJ	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011 UJ	<0.000053	<0.0053 UJ	<0.00011	<0.011 UJ
	MW3-ROX-040914	4/9/2014		30.50	NE	<0.00056 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000019 U	<0.0056	<0.00011	<0.011
	MW3-ROX-071114	7/10/2014		29.05	NE	<0.00028 U	<0.0054	<0.011	<0.025	<0.0001	<0.0001	<0.0054		<0.0001	<0.0054	0.000067 J	<0.0002	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.00003 U	<0.0054	<0.0001	<0.011 UJ
	MW3-ROX-100914	10/9/2014		28.18	NE	<0.00023 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW3-ROX-011515	1/15/2015		29.65	NE	0.00028 J J	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.00033 J	0.0003 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000018 J J	<0.0056	<0.00011	<0.011
	MW3-ROX-041015	4/10/2015		31.16	NE	0.00054 J	<0.0053	<0.011	<0.025	0.000024 J J	<0.0001	<0.0053		<0.0001	<0.0053	0.00013 J	0.000097 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000026 JB J	<0.0053	0.000018 J	<0.01
	MW3-ROX-071015	7/10/2015		30.01	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.00028 JB	0.00026 JB	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW3-ROX-100915	10/9/2015		27.98	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00035	0.00029	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW3-ROX-010716	1/7/2016	34.67 - 44.67	27.92	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00053	0.00045	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-04	MW4-ROX-040913	4/9/2013	45.06 - 55.06	40.90	NE	<0.0053	<0.0053	<0.011	<0.05	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00022	0.000082 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000054	0.11	<0.00011	<0.011
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.00062 U	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	0.000076 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.103	<0.00011	<0.011 UJ
	MW4-ROX-071713	7/17/2013		37.61	NE	<0.0055	<0.0055	<0.011	<0.05	<0.00011	<0.00011	<0.0055		0.000052 J	<0.0055	0.00037	0.00023	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.00003 U	0.0661	<0.00011	<0.011
	MW4-ROX-101613	10/16/2013		38.80	NE	<0.0054	<0.0054	<0.011	<0.25	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00016 J	0.00015 J	<0.011 UJ	<0.011 UJ	<0.011	<0.0054	<0.0054	<0.0054	<0.011 UJ	<0.000054	0.0168 J	<0.00011	<0.011
	MW4-ROX-013014	1/30/2014		41.09	NE	<0.0013 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00027	0.00022	<0.011 UJ	<0.011 UJ	<0.011	<0.0054	<0.0054	<0.0054	<0.011 UJ	<0.000022 U	0.0164 J	<0.00011	<0.011
	MW4-ROX-041614	4/16/2014		41.91	NE	<0.00076 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.000072 J	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW4-ROX-071614	7/16/2014		40.18	NE	<0.00043 U	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	0.00024	0.00022	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000041 U	<0.0052	<0.0001	<0.01
	MW4-ROX-101614	10/16/2014		39.49	NE	<0.0059	<0.0059	<0.012	<0.13	<0.00012	<0.00012	<0.0059		<0.00012	<0.0059	<0.0024	<0.0024	<0.012	<0.012	<0.012	<0.0059	<0.0059	<0.0059	<0.012	0.000029 J	0.0115	<0.00012	<0.012 UJ
	MW4-ROX-012115	1/21/2015		41.27	NE	0.0011 J	<0.0053	<0.011	<0.025	<0.000018 U	<0.00011	<0.0053		<0.00011	<0.0053	0.00012 JB	<0.00011 U	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000019 U	<0.0053	<0.000022 U	<0.011 UJ
	MW4-ROX-042115	4/21/2015		42.58	NE	<0.0052	<0.0052	<0.01	<0.025	0.000018 J	<0.0001	<0.0052		<0.0001	<0.0052	0.00024 J	0.00021 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00002 J	<0.0052	0.000018 J	<0.01
	MW4-ROX-071415	7/14/2015	45.06 - 55.06	41.30	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	0.000018 J	<0.0056		<0.00011	<0.0056	0.00032 J	0.00035 JB J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000018 JB	<0.0056	<0.00011	<0.011
	MW4-ROX-101915	10/19/2015		39.44	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00017 J	0.00013 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-011316	1/13/2016	45.06 - 55.06	39.10	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00028	0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-05	MW5-ROX-040913	4/9/2013	33.97 - 43.97	29.41	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.004	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW5-ROX-070913	7/9/2013		26.04	NE	<0.005	<0.005	<0.01		<0.0001	<0.00099 U	<0.005		<0.0001	<0.005	0.0015	<0.0002 UJ	<0.01	<0.01	<0.01 UJ	<0.005	<0.005	<0.005	<0.01	<0.000074 U	<0.005	<0.0001	<0.01
	MW5-ROX-100813	10/8/2013		26.97	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	0.0038	0.00009 J	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011 UJ
	MW5-ROX-011714	1/17/2014		29.59	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.0035	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW5-ROX-041014	4/10/2014		30.09	NE	<0.00087 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.0038	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW5-ROX-071414	7/14/2014		28.59	NE	<0.00037 U	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.00052 B	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000088 U	<0.0053	<0.00011	<0.011
	MW-5-ROX-100914	10/9/2014		27.75	NE	<0.00023 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00099 J	<0.0022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.00003 U	0.00072 J	<0.00011	<0.011
	MW5-ROX-011515	1/15/2015		29.34	NE	<0.0053	<0.0053	<0.011	<0.025	0.000037 J J	<0.00011	<0.0053		0.000023 J J	<0.0053	0.00071 J	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000039 J J	<0.0053	0.000038 J J	<0.011
	MW5-ROX-041315	4/13/2015		30.97	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000099 JB J	0.000031 JB J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW5-ROX-071315	7/13/2015		29.45	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	0.000026 J	<0.0054		<0.00011	<0.0054	0.000087 JB J	0.00018 JB J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000024 JB J	<0.0054	<0.00011	<0.011
	MW5-ROX-101215	10/12/2015		27.53	NE	<0.01	<0.01	<0.01	<0.01	0.000055 J	<0.0002	<0.01	<0.01	0.000086 J	<0.01	0.00016 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW5-ROX-011416	1/14/2016	33.97 - 43.97	27.19	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-06A	MW6A-ROX-040313	4/3/2013	34.83 - 44.83	31.62	NE	0.0018 J	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	0.000084	<0.0053 UJ	0.000053 J	<0.011 UJ
	MW6A-ROX-070913	7/9/2013		28.25	NE	<0.0055	<0.0055	<0.011		<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.0055	<0.0055	<0.011		<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW6A-ROX-100713	10/7/2013		28.87	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6A-ROX-100713-DUP	10/7/2013		28.87	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6A-ROX-011614	1/16/2014		31.62	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	<0.0001	<0.01 UJ
	MW6A-ROX-011614-DUP	1/16/2014		31.62	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011	<0.011 UJ
	MW6A-ROX-040814	4/8/2014		32.16	NE	<0.00075 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000054	<0.0056	<0.00011	<0.011 UJ
	MW6A-ROX-040814-DUP	4/8/2014		32.16	NE	<0.00077 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000055	<0.0054	<0.00011	<0.011 UJ
	MW6A-ROX-071014	7/10/2014		30.75	NE	<0.00026 U	<0.0054	<0.011	<0.025 UJ	<0.00011	0.00013	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000046 J	<0.0054	<0.00011	<0.011
	MW6A-ROX-100814	10/8/2014		29.84	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW6A-ROX-011415	1/14/2015		31.54	NE	<0.0053	<0.0053	<0.011	<0.025	0.000037 J J	0.000076 J	<0.0053		<0.00011	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000046 J	<0.0053	0.000027 J	<0.011
	MW6A-ROX-040715	4/7/2015		33.08	NE	<0.0051	<0.0051	<0.01	<0.025	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	0.000019 J	0.000023 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	MW6A-ROX-071515	7/15/2015		31.52	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	0.000058 J	<0.0057		<0.00011	<0.0057	0.000056 J	0.000076 JB J	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.000026 J	<0.0057	<0.00011	<0.011
	MW6A-ROX-100715	10/7/2015		29.77	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6A-ROX-011116	1/11/2016	34.83 - 44.83	29.36	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-06B	MW6B-ROX-040313	4/3/2013	64.05 - 69.05	31.68	NE	0.0012 J	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	0.0002 J	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	<0.000054	<0.0054 UJ	<0.00011	<0.011 UJ
	MW6B-ROX-070913	7/9/2013		28.25	NE	<0.0056	<0.0056	<0.011		<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6B-ROX-100713	10/7/2013		28.93	NE	<0.0054	<0.0054	0.0224	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6B-ROX-011614	1/16/2014		31.67	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		0.000043 J	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	<0.000054	<0.0054 UJ	<0.00011	<0.011 UJ
	MW6B-ROX-040814	4/8/2014		32.21	NE	<0.00043 U	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000018 J	<0.0053	<0.00011	<0.011
	MW6B-ROX-071014	7/10/2014		30.81	NE	<0.0056	<0.0056	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6B-ROX-100814	10/8/2014		29.87	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW6B-ROX-011415	1/14/2015		31.59	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.0022	0.000017 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6B-ROX-040715	4/7/2015		33.10	NE	0.00029 J	<0.0051	<0.01	<0.025	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.002	<0.002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	MW6B-ROX-040715-DUP	4/7/2015		33.10	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.0021	<0.0021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	MW6B-ROX-071415	7/14/2015		31.56	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	0.00013	<0.0053		<0.00011	<0.0053	0.0036	0.0068	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000045 JB J	<0.0053	<0.00011	<0.011
	MW6B-ROX-100715	10/7/2015		29.80	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000059 J	0.000088 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-011116	1/11/2016	64.05 - 69.05	29.41	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000029 J	0.000067 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																					
MW-06C	MW6C-ROX-040313	4/3/2013	84.95 - 89.95	31.41	NE	0.00077 J	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	0.00016 J	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	<0.0001	<0.01 UJ
	MW6C-ROX-070913	7/9/2013		28.03	NE	<0.0056	<0.0056	<0.011		<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6C-ROX-100713	10/7/2013		28.72	NE	0.00043 J	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW6C-ROX-011614	1/16/2014		31.48	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011	<0.011 UJ
	MW6C-ROX-040814	4/8/2014		32.01	NE	<0.0004 U	<0.0059	<0.012	<0.025	<0.00012	<0.00012	<0.0059		<0.00012	<0.0059	<0.00024	<0.00024	<0.012	<0.012	<0.012	<0.0059	<0.0059	<0.0059	<0.012	<0.000059	<0.0059	<0.00012	<0.012
	MW6C-ROX-071014	7/10/2014		30.60	NE	<0.00032 U	<0.0056	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0056		0.000035 J	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6C-ROX-100814	10/8/2014		29.67	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	MW6C-ROX-011415	1/14/2015		31.41	NE	<0.0056	<0.0056	<0.011	<0.025	0.000022 J J	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	0.000028 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000025 J	<0.0056	0.000021 J	<0.011
	MW6C-ROX-040915	4/9/2015		32.80	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.0022	0.000025 JB J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6C-ROX-071415	7/14/2015		31.38	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.000064 JB J	0.00014 JB J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6C-ROX-100715	10/7/2015		29.60	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000056 J	0.000083 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6C-ROX-010816	1/8/2016	84.95 - 89.95	29.31	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-06D	MW6D-ROX-040313	4/3/2013	104.72 - 109.72	31.27	NE	0.00069 J	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011	<0.011 UJ
	MW6D-ROX-070913	7/9/2013		27.91	NE	<0.0055	<0.0055	<0.011		<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW6D-ROX-100713	10/7/2013		28.58	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6D-ROX-011614	1/16/2014		31.33	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	<0.0001	<0.01 UJ
	MW6D-ROX-040814	4/8/2014		31.85	NE	<0.00039 U	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW6D-ROX-071014	7/10/2014		31.47	NE	<0.00027 U	<0.0056	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6D-ROX-071014-DUP	7/10/2014		31.47	NE	<0.00029 U	<0.0054	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW6D-ROX-100814	10/8/2014		29.53	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW6D-ROX-100814-DUP	10/8/2014		29.53	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	MW6D-ROX-011415	1/14/2015		31.26	NE	<0.0054	<0.0054	<0.011	<0.025	0.000031 J J	0.000018 J	<0.0054		<0.00011	<0.0054	0.000015 J	0.000033 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000033 J	<0.0054	0.000027 J	<0.011
	MW6D-ROX-011415-DUP	1/14/2015		31.26	NE	0.00027 J J	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6D-ROX-040715	4/7/2015		32.74	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	0.000026 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW6D-ROX-071415	7/14/2015		31.19	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.00011 JB J	0.00023 JB J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW6D-ROX-100715	10/7/2015		29.45	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000081 J	0.00012 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-010816	1/8/2016	104.72 - 109.72	29.59	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-010816-DUP	1/8/2016		29.59	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-07	MW7-ROX-041013	4/10/2013	42.92 - 52.92	42.70	NE	<0.0054	<0.0054	<0.011	<50	0.000039 J	0.00081	<0.0054		<0.00011	<0.0054	0.0271	0.0351	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0014	0.147	0.00015	<0.011
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	<0.0053	<0.0053	<0.011	<50	0.000068 J	0.00087	<0.0053		<0.00011	<0.0053	0.0274	0.0357	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0015	0.148	0.00016	<0.011
	MW7-ROX-071713	7/17/2013		39.60	NE	<0.0054	<0.0054	<0.011	<0.05	<0.00011	0.00019	<0.0054		0.000078 J	<0.0054	0.0043	0.006	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00024	0.118	0.000039 J	<0.011
	MW7-ROX-101613	10/16/2013		40.64	NE	<0.0055	<0.0055	<0.011	<50	<0.00011	0.00022	<0.0055		<0.00011	<0.0055	0.0082	0.011	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00019	0.0849	<0.00011	<0.011
	MW7-ROX-013014	1/30/2014		42.94	NE	<0.0007 U	<0.005	<0.01	<63	<0.0001	0.00021	<0.005		<0.0001	<0.005	0.0059	0.0083	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00029	0.0314	<0.0001	<0.01
	MW7-ROX-041614	4/16/2014		43.79	NE	<0.00071 U	<0.0052	<0.01	<130	<0.0001	0.00026	<0.0052		<0.0001	<0.0052	0.0074	0.0103	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00033 B	0.0988	<0.0001	<0.01
	MW7-ROX-071614	7/16/2014		42.05	NE	<0.00027 U	<0.0052	<0.01	<0.025	<0.0001	0.00021	<0.0052		<0.0001	<0.0052	0.0052	0.0079	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00028	0.0618	<0.0001	<0.01
	MW7-ROX-071614-DUP	7/16/2014		42.05	NE	<0.00038 U	<0.0052	<0.01	<0.025	<0.0001	0.00019	<0.0052		<0.0001	<0.0052	0.0052	0.0077	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00026	0.0638	<0.0001	<0.01
	MW7-ROX-101614	10/16/2014		41.31	NE	<0.0056	<0.0056	<0.011	<130	<0.00011	0.0002	<0.0056		<0.00011	<0.0056	0.0049	0.0074	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00028	0.155	<0.00011	<0.011 UJ
	MW7-ROX-101614-DUP	10/16/2014		41.31	NE	<0.0057	<0.0057	<0.011	<130	<0.00011	0.00019	<0.0057		<0.00011	<0.0057	0.0047	0.007	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.00027	0.133	<0.00011	<0.011 UJ
	MW7-ROX-012215	1/22/2015		43.45	NE	0.00035 J	<0.0053	<0.011	<25	<0.000063 U	0.00024	<0.0053		0.00003 J	<0.0053	0.0053	0.0068	<0.011	0.00059 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00049	0.145	<0.000099 U	<0.011
	MW7-ROX-012215-DUP	1/22/2015		43.45	NE	0.00027 J	<0.0052	<0.01	<25	<0.000021 U	0.00022	<0.0052		<0.0001	<0.0052	0.0052	0.0066	<0.01	0.00056 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00045	0.136	<0.000058 U	<0.01
	MW7-ROX-042115	4/21/2015		44.63	NE	<0.0051	<0.0051	<0.01	<1.3	<0.0001	0.00033	<0.0051		<0.0001	<0.0051	0.008	0.01	0.00037 J	0.0011 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00066	0.0707	0.000057 J	<0.01
	MW7-ROX-042115-DUP	4/21/2015		44.63	NE	<0.0051	<0.0051	<0.01	<1.3	0.000026 J	0.0003	<0.0051		<0.0001	<0.0051	0.0074	0.0093	0.00032 J	0.0011 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00063	0.0766	0.000066 J	<0.01
	MW7-ROX-071515	7/15/2015		43.54	NE	0.00063 J	<0.0051	<0.01	<130	0.000019 J	0.00021	<0.0051		<0.0001	<0.0051	0.0047	0.0065	<0.01	0.0031 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00031	0.104	0.000052 J	<0.01
	MW7-ROX-071515-DUP	7/15/2015		43.54	NE	0.00057 J	<0.0052	<0.01	<130	0.000023 J	0.00018	<0.0052		<0.0001	<0.0052	0.0055	0.0082	<0.01	0.0032 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00034	0.117	0.000053 J	<0.01
	MW7-ROX-101915	10/19/2015		41.43	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0018 J	<0.0002	<0.01	0.0029	0.0041	<0.01	0.0018 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00014 J	0.13	<0.0002	<0.01
	MW7-ROX-101915-DUP	10/19/2015		41.43	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00011 J	<0.01	0.0018 J	<0.0002	<0.01	0.0026	0.0037	<0.01	0.0018 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00019 J	0.12	<0.0002	<0.01
	MW7-ROX-011416	1/14/2016	42.92 - 52.92	41.02	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0018 J	<0.0002	<0.01	0.004	0.0053	<0.01	0.0017 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00041	0.18	<0.0002	<0.01
	MW7-ROX-011416-DUP	1/14/2016		41.02	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0019 J	<0.0002	<0.01	0.0048	0.0061	<0.01	0.002 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00056	0.32	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																					
MW-08	MW8-ROX-041013	4/10/2013	33.60 - 43.60	33.77	NE	0.0013 J	<0.0053	<0.011	<130	0.000056 J	0.00032	<0.0053		<0.00011	<0.0053	0.0091	0.0113	0.0388	0.084	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00019	0.253 J	0.000042 J	<0.011
	MW8-ROX-071713	7/17/2013		30.43	NE	<0.0052	<0.0052	<0.01	<0.05	<0.0001	0.00033	<0.0052		<0.0001	<0.0052	0.0097 J	0.0113	0.0046 J	0.0106	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00015	0.328	0.000062 J	<0.01
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	<0.0054	<0.0054	<0.011	<0.05	<0.00011	0.00036	<0.0054		<0.00011	<0.0054	0.0087 J	0.0098	0.0037 J	0.0091 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00016	0.303	<0.00011	<0.011
	MW8-ROX-101613	10/16/2013		31.59	NE	<0.0054	<0.0054	<0.011	<50	<0.00011	0.00041	<0.0054		<0.00011	<0.0054	0.0117	0.0136	0.0022 J	0.0052 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00011	0.0996	<0.00011	<0.011
	MW8-ROX-101613-DUP	10/16/2013		31.59	NE	<0.0059	<0.0059	<0.012	<50	<0.00012	0.00037	<0.0059		<0.00012	<0.0059	0.0108	0.0128	0.0019 J	0.0046 J	<0.012	<0.0059	<0.0059	<0.0059	<0.012	0.000097	0.108	<0.00012	<0.012
	MW8-ROX-013014	1/30/2014		34.02	NE	<0.0011 U	<0.0051	<0.01	<63	<0.0001	0.00054	<0.0051		<0.0001	<0.0051	0.0137	0.0123	0.0128	0.0198	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00018	0.105	<0.0001	<0.01
	MW8-ROX-013014-DUP	1/30/2014		34.02	NE	<0.00092 U	<0.0054	<0.011	<63	<0.00011	0.00052	<0.0054		<0.00011	<0.0054	0.0136	0.0123	0.0129	0.019	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00019	0.135	<0.00011	<0.011
	MW8-ROX-041614	4/16/2014		34.73	NE	<0.00073 U	<0.0056	<0.011	<50	<0.00011	0.00046	<0.0056		<0.00011	<0.0056	0.0142	0.0097	<0.011	0.0062 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00015 B J	0.135	<0.00011	<0.011
	MW8-ROX-041614-DUP	4/16/2014		34.73	NE	<0.0006 U	<0.0051	<0.01	<50	<0.0001	0.00043	<0.0051		<0.0001	<0.0051	0.0129	0.0086	<0.01	0.0053 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00016 B J	0.118	<0.0001	<0.01
	MW8-ROX-071614	7/16/2014		33.01	NE	<0.00045 U	<0.0052	<0.01	<0.025 UJ	<0.0001	0.00038	<0.0052		<0.0001	<0.0052	0.0125	0.0048	0.0037 J	0.0045 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0002 B	0.111	<0.0001	<0.01
	MW8-ROX-101614	10/16/2014		32.23	NE	<0.0056	<0.0056	<0.011	<25	<0.00011	0.00054	<0.0056		<0.00011	<0.0056	0.0145	0.0045	0.019	0.0558	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00023	0.126	<0.00011	<0.011 UJ
	MW8-ROX-012215	1/22/2015		34.22	NE	0.00027 J	<0.0052	<0.01	<25	<0.0001	0.00037	<0.0052		<0.0001	<0.0052	0.011	0.0046	0.0102	0.0242	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00016 B	0.146	<0.0001	<0.01
	MW8-ROX-042115	4/21/2015		35.41	NE	<0.0053	<0.0053	<0.011	<1.3	<0.00011	0.00041	<0.0053		<0.00011	<0.0053	0.0126	0.0053	0.0049 J	0.0063 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00014	0.129	<0.00011	<0.011
	MW8-ROX-071515	7/15/2015		34.07	NE	<0.0053	<0.0053	<0.011	<130	<0.00011	0.0003	<0.0053		<0.00011	<0.0053	0.0113	0.0083	0.0018 J	0.0046 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00016	0.135	<0.00011	<0.011
	MW8-ROX-101915	10/19/2015		32.30	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00018 J	<0.01	0.0015 J	<0.0002	<0.01	0.0087	0.0052	0.0024 J	0.0054 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.21	<0.0002	<0.01
	MW8-ROX-011416	1/14/2016	33.60 - 43.60	31.79	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0023 J	<0.0002	<0.01	0.015	0.007	0.0077 J	0.016 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.22	<0.0002	<0.01
MW-09	MW9-ROX-040913	4/9/2013	46.45 - 56.45	44.67	NE	<0.0018 UJ	<0.0052 UJ	<0.01 UJ	<0.025	<0.0001 UJ	<0.0001 UJ	<0.0052 UJ		<0.0001 UJ	<0.0052 UJ	<0.00021 UJ	<0.00021 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0052 UJ	<0.0052 UJ	<0.0052 UJ	<0.01 UJ	<0.000052 UJ	<0.0052 UJ	<0.0001 UJ	<0.01 UJ
	MW9-ROX-070813	7/8/2013		42.35	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022			<0.011	<0.0056	<0.0056	<0.0056		<0.000028 U		<0.00011	<0.011
	MW9-ROX-100313	10/3/2013		42.27	NE	<0.005	<0.005	<0.01	<0.025	<0.0001	<0.0001	<0.005		<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001	<0.01
	MW9-ROX-011414	1/14/2014		44.47	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011 UJ	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0053	<0.011 UJ	<0.000053	<0.0053 UJ	<0.00011	<0.011
	MW9-ROX-040714	4/7/2014		44.99	NE	<0.00062 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	0.0001 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056 U	<0.0056	<0.00011	<0.011 UJ
	MW9-ROX-070914	7/9/2014		44.35	NE	<0.0006 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW9-ROX-100714	10/7/2014		43.52	NE	<0.0059	<0.0059	<0.012	<0.025	<0.00012	<0.00012	<0.0059		<0.00012	<0.0059	<0.0024	<0.0024	<0.012	<0.012	<0.012	<0.0059	<0.0059	<0.0059	<0.012	<0.000059	<0.0059	<0.00012	<0.012
	MW9-ROX-011315	1/13/2015		44.21	NE	0.00023 J	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.0021	<0.0021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000016 JB	<0.0052	<0.0001	<0.01 UJ
	MW9-ROX-040915	4/9/2015		45.38	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	0.000027 J	<0.0052		<0.0001	<0.0052	<0.0021	0.000018 JB J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000026 J	<0.0052	<0.0001	<0.01
	MW9-ROX-070915	7/9/2015		44.81	NE	0.00042 J	<0.0055	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	0.000073 J	0.00013 J	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.000044 J	<0.0055	<0.00011	<0.011
	MW9-ROX-100815	10/8/2015		42.64	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000034 J	0.000053 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-011316	1/13/2016	46.45 - 56.45	42.63	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-10	MW10-ROX-040913	4/9/2013	44.43 - 54.43	44.60	NE	<0.0019 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW10-ROX-070813	7/8/2013		42.27	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000021 U	<0.0056	<0.00011	<0.011
	MW10-ROX-100313	10/3/2013		42.38	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW10-ROX-011514	1/15/2014		44.42	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		0.000072 J	<0.0053	<0.00021	<0.00021	<0.011 UJ	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0053	<0.011 UJ	0.000037 JB	<0.0054 UJ	<0.00011	<0.011
	MW10-ROX-040714	4/7/2014		45.00	NE	<0.00085 U	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000042 U	<0.0053	<0.00011	<0.011 UJ
	MW10-ROX-070914	7/9/2014		44.35	NE	<0.00065 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW10-ROX-100714	10/7/2014		43.58	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		<0.00011	<0.0057	<0.0023	<0.0023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011	<0.011
	MW10-ROX-011315	1/13/2015		44.27	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.000018 U	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	MW10-ROX-040815	4/8/2015		45.30	NE	<0.0051	<0.0051	<0.01	<0.025	0.000016 J	<0.0001	<0.0051		<0.0001	<0.0051	<0.002	0.00002 JB	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.000019 J	<0.0051	<0.0001	<0.01
	MW10-ROX-070915	7/9/2015		44.93	NE	0.00064 J	<0.0054	<0.011	<0.025 UJ	0.000057 J	0.000037 J	<0.0054		0.000024 J	<0.0054	0.000035 J	0.000058 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000077	<0.0054	0.000059 J	<0.011
	MW10-ROX-100915	10/9/2015		42.79	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000039 J	0.000063 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW10-ROX-011316	1/13/2016	44.43 - 54.43	42.53	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																					
MW-11	MW11-ROX-040813	4/8/2013	41.66 - 51.66	42.02	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW11-ROX-070813	7/8/2013		39.24	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW11-ROX-100713	10/7/2013		39.95	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW11-ROX-011514	1/15/2014		42.16	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000026 U	<0.0055	<0.00011	<0.011
	MW11-ROX-040714	4/7/2014		42.70	NE	<0.0007 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000023 U	<0.0056	<0.00011	<0.011 UJ
	MW11-ROX-070914	7/9/2014		41.75	NE	<0.00042 U	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		<0.00011	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.00003 J	<0.0057	<0.00011	<0.011
	MW11-ROX-100714	10/7/2014		40.89	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.0021	<0.0021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	MW11-ROX-011315	1/13/2015		41.93	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.0022	<0.00002 U	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW11-ROX-040815	4/8/2015		43.19	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.0022	0.000022 JB	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW11-ROX-070915	7/9/2015		42.45	NE	<0.0054	<0.0054	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.000029 J	0.000045 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000029 J	<0.0054	<0.00011	<0.011
	MW11-ROX-100815	10/8/2015		40.15	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000029 J	0.000034 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW11-ROX-011216	1/12/2016	41.66 - 51.66	40.33	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-12	MW12-ROX-040813	4/8/2013	41.92 - 51.92	42.46	NE	<0.0052	<0.0052	<0.01	<0.025	0.000044 J	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01 UJ
	MW12-ROX-070913	7/9/2013		39.28	NE	<0.0055	<0.0055	<0.011		<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW12-ROX-100713	10/7/2013		40.22	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011 UJ	<0.011 UJ	<0.011	<0.0055	<0.0055	<0.0055	0.0018 J J	<0.000055	<0.0053 UJ	<0.00011	<0.011
	MW12-ROX-011514	1/15/2014		42.54	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01 UJ	<0.01 UJ	<0.01	<0.0052	<0.0052	<0.0052	<0.01 UJ	<0.000022 U	<0.0052 UJ	<0.0001	<0.01
	MW12-ROX-040814	4/8/2014		43.15	NE	<0.0006 U	<0.0051	<0.01	<0.025	<0.00011	<0.00011	<0.0051		<0.00011	<0.0051	<0.00023	<0.00023	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.000021 J	<0.0051	<0.00011	<0.01 UJ
	MW12-ROX-070914	7/9/2014		41.97	NE	<0.00098 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW12-ROX-100614	10/6/2014		40.98	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011	<0.011
	MW12-ROX-011215	1/12/2015		42.33	NE	0.00023 J	<0.0056	<0.011	<0.025	0.00002 J	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000018 J	<0.0056	<0.00011	<0.011 UJ
	MW12-ROX-040615	4/6/2015		43.75	NE	<0.0053	<0.0053	<0.011	<0.025	0.000019 J	<0.00011	<0.0053		<0.00011	<0.0053	0.000018 J	0.000031 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.00002 U	<0.0053	0.000016 J	<0.011
	MW12-ROX-070815	7/8/2015		42.86	NE	<0.0056	<0.0056	<0.011	<0.025 UJ	0.00012	0.00003 J	<0.0056		0.000059 J	<0.0056	0.000035 J	0.000079 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000067 J	<0.0056	0.000081 J	<0.011
	MW12-ROX-100815	10/8/2015		40.54	NE	<0.01	<0.01	<0.01	<0.01	0.000039 J	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00006 J	0.000081 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000021 J	<0.01
	MW12-ROX-100815-DUP	10/8/2015		40.54	NE	<0.01	<0.01	<0.01	<0.01	0.000039 J	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000036 J	0.000055 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000021 J	<0.01
	MW12-ROX-011116	1/11/2016	41.92 - 51.92	40.98	NE	<0.01	<0.01	<0.01	<0.01	0.00037	<0.0002	<0.01	<0.01	0.00014 J	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.000088 J	<0.01	0.00016 J	<0.01
MW-13	MW13-ROX-041213	4/12/2013	25.57 - 35.57	29.44	NE	<0.0051	<0.0051	<0.01	<0.025	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	0.00011 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	MW13-ROX-071213	7/12/2013		25.67	NE	<0.0054	<0.0054	<0.011	<0.025	<0.000042	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.000067 U	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	<0.000076	<0.0054 UJ	<0.00004	<0.011 UJ
	MW13-ROX-100913	10/9/2013		26.94	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	MW13-ROX-012914	1/29/2014		29.63	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.000096 U	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW13-ROX-041114	4/11/2014		30.15	NE	<0.00079 U	<0.006	<0.012	<0.025	<0.00012	<0.00012	<0.006		<0.00012	<0.006	<0.00024	<0.00024	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	0.000033 J	<0.006	<0.00012	<0.012
	MW13-ROX-070714	7/7/2014		28.49	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW13-ROX-101014	10/10/2014		27.48	NE	<0.006	<0.006	<0.012	<0.025	<0.00012	<0.00012	<0.006		<0.00012	<0.006	<0.0024	<0.0024	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	0.000032 J	<0.006	<0.00012	<0.012
	MW13-ROX-011615	1/16/2015		29.09	NE	<0.00034 U	<0.0053	<0.011	<0.025	0.000022 J	0.000035 J	<0.0053		<0.00011	<0.0053	0.00004 J	0.00008 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000025 J	<0.0053	0.000046 J	<0.011
	MW13-ROX-041415	4/14/2015		30.71	NE	<0.0056	<0.0056	<0.011	<0.025	0.000025 J	0.000066 J	<0.0056		<0.00011	<0.0056	0.000029 J	0.000055 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00007	<0.0056	0.000023 J	<0.011
	MW13-ROX-070815	7/8/2015		29.16	NE	<0.0053	<0.0053	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000031 J	0.000047 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.00032 J	0.000016 J	<0.011
	MW13-ROX-100515	10/5/2015		27.34	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00085	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW13-ROX-010716	1/7/2016	25.57 - 35.57	27.16	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00021	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01

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						SVOCs																					
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																					
MW-14	MW14-ROX-041113	4/11/2013	33.42 - 43.42	33.31	NE	<0.0054	<0.0054	<0.011	<0.025	0.000068 J	0.00016	<0.0054		<0.00011	<0.0054	0.0124	0.0018	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0001	<0.0054	0.000053 J	<0.011
	MW14-ROX-071213	7/12/2013		30.36	NE	0.00043 J	<0.0053	<0.011	<0.025	<0.00011	<0.000093 U	<0.0053		<0.00011	<0.0053	0.0127	0.0027	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	<0.000032 U	<0.0053 UJ	<0.000067 U	<0.011 UJ
	MW14-ROX-101013	10/10/2013		30.80	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	0.00034	<0.0057		<0.00011	<0.0057	0.0184	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011	<0.011
	MW14-ROX-012914	1/29/2014		33.67	NE	0.00045 J	<0.0054	<0.011	<0.025	<0.00011	0.00041	<0.0054		<0.00011	<0.0054	0.0075	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW14-ROX-041114	4/11/2014		34.30	NE	<0.00082 U	<0.006	<0.012	<0.025	<0.00011	0.0003	<0.006		<0.00011	<0.006	0.0018	<0.00023	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	<0.000057	<0.006	<0.00011	<0.012
	MW14-ROX-070714	7/7/2014		32.82	NE	0.00031 J	<0.0054	<0.011	<0.025	<0.00011	0.00024	<0.0054		<0.00011	<0.0054	0.0014	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00024 J	<0.0054	<0.00011	<0.011
	MW14-ROX-101414	10/14/2014		31.65	NE	<0.00056 U	<0.0056	<0.011	<0.025	<0.00011	0.00024	<0.0056		<0.00011	<0.0056	0.0014 J	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000021 U	<0.0056	<0.00011	<0.011
	MW14-ROX-011615	1/16/2015		33.58	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	0.00013	<0.0053		<0.00011	<0.0053	0.00012 J	0.000026 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000021 J	<0.0053	<0.00011	<0.011
	MW14-ROX-041415	4/14/2015		35.16	NE	<0.0052	<0.0052	<0.01	<0.025	<0.00011	0.00017	<0.0052		<0.00011	<0.0052	0.00007 J	0.000018 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000054	<0.0052	<0.00011	<0.01
	MW14-ROX-070915	7/9/2015		34.06	NE	0.00044 J	<0.0052	<0.01	<0.025 UJ	0.000016 J	0.00017	<0.0052		<0.0001	<0.0052	0.00019 J	0.00012 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000062	<0.0052	0.000017 J	<0.01
	MW14-ROX-101315	10/13/2015		31.88	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00013 J	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW-14-ROX-010816	1/8/2016	33.42 - 43.42	31.64	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.000095 J	<0.01	<0.01	0.000066 J	<0.01	0.00013 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-16	MW16-ROX-040813	4/8/2013	37.06 - 47.06	43.39	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	0.000058 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01 UJ
	MW16-ROX-070813	7/8/2013		40.62	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000018 U	<0.0056	<0.00011	<0.011
	MW16-ROX-100813	10/8/2013		41.62	NE	<0.0052 UJ	<0.0052 UJ	<0.01 UJ	<0.025	<0.0001 UJ	<0.0001 UJ	<0.0052 UJ		<0.0001 UJ	<0.0052 UJ	<0.00021 UJ	<0.00021 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0052 UJ	<0.0052 UJ	<0.0052 UJ	<0.01 UJ	<0.000052 UJ	<0.0052 UJ	<0.0001 UJ	<0.01 UJ
	MW16-ROX-011514	1/15/2014		43.76	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000031 U	<0.0052	<0.0001	<0.01
	MW16-ROX-040914	4/9/2014		44.63	NE	<0.00067 U	<0.0059	<0.012	<0.025	<0.00012	<0.00012	<0.0059		<0.00012	<0.0059	<0.00024	<0.00024	<0.012	<0.012	<0.012	<0.0059	<0.0059	<0.0059	<0.012	<0.000059	<0.0059	<0.00012	<0.012
	MW16-ROX-071014	7/10/2014		43.15	NE	<0.00021 U	<0.0054	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	MW16-ROX-100714	10/7/2014		42.27	NE	<0.006	<0.006	<0.012	<0.025	<0.00012	<0.00012	<0.006		<0.00012	<0.006	<0.0024	<0.0024	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	<0.00006	<0.006	<0.00012	<0.012
	MW16-ROX-011315	1/13/2015		43.59	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.000016 U	<0.000022 U	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW16-ROX-040915	4/9/2015		44.87	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000026 JB J	0.000039 JB J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW16-ROX-070915	7/9/2015		44.26	NE	0.00043 J	<0.0055	<0.011	<0.025 UJ	<0.00011	0.000037 J	<0.0055		<0.00011	<0.0055	0.000067 J	0.00012 J	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.000043 J	<0.0055	<0.00011	<0.011
	MW16-ROX-070915-DUP	7/9/2015		44.26	NE	<0.0056	<0.0056	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.000047 J	0.000074 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000023 J	<0.0056	<0.00011	<0.011
	MW16-ROX-100715	10/7/2015		41.83	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000045 J	0.000073 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW16-ROX-011216	1/12/2016	37.06 - 47.06	41.99	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-22	MW22-ROX-040513	4/5/2013	37.88 - 47.88	42.23	NE	0.00057 J	<0.0053	<0.011	<0.025	<0.00011	0.00018	<0.0053		<0.00011	<0.0053	0.0241	0.0413	0.0236	0.0403	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	0.00019	0.0123 J	<0.00011	<0.011 UJ
	MW22-ROX-071113	7/11/2013		39.35	NE	<0.0054	<0.0054	<0.011		<0.00011	0.00027	<0.0054		<0.00011	<0.0054	0.0232 J	0.0393	0.0159	0.029	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011	0.0002 B	0.0094 J	<0.00011	<0.011 UJ
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	0.00052 J	<0.0056	<0.011		<0.00011	0.00017	<0.0056		<0.00011	<0.0056	0.0216 J	0.037	0.0147	0.0269	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	0.0002 B	0.0088 J	<0.00011	<0.011 UJ
	MW22-ROX-100913	10/9/2013		40.39	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	0.00019	<0.0054		<0.00011	<0.0054	0.0276	0.0468	0.0152	0.0319	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00019	<0.0054	<0.00011	<0.011
	MW22-ROX-100913-DUP	10/9/2013		40.39	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	0.0002	<0.0054		<0.00011	<0.0054	0.0265	0.0451	0.0139	0.0296	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00016	<0.0054	<0.00011	<0.011
	MW22-ROX-012014	1/20/2014		42.49	NE	<0.027	<0.027	<0.053	<0.025	<0.00011	0.00017	<0.027		<0.00011	<0.027	0.0258	0.0459	0.0124 J	0.0313 J	<0.053	<0.027	<0.027	<0.027	<0.053	0.0002 B	0.0071 J	<0.00011	<0.053 UJ
	MW22-ROX-012014-DUP	1/20/2014		42.49	NE	<0.027	<0.027	<0.054	<0.025	<0.00011	0.00015	<0.027		<0.00011	<0.027	0.0232	0.0416	0.0118 J	0.0296 J	<0.054	<0.027	<0.027	<0.027	<0.054	0.0002 B	0.007 J	<0.00011	<0.054 UJ
	MW22-ROX-041014	4/10/2014		43.15	NE	<0.0016 U	<0.028	<0.056	<0.025	<0.00011	<0.00011	<0.028		<0.00011	<0.028	0.0174	0.0287	0.0156 J	0.035 J	<0.056	<0.028	<0.028	<0.028	<0.056	0.0001	<0.028	<0.00011	<0.056
	MW22-ROX-041014-DUP	4/10/2014		43.15	NE	<0.0018 U	<0.028	<0.056	<0.025	<0.00011	0.00012	<0.028		<0.00011	<0.028	0.0199	0.0322	0.0159 J	0.038 J	<0.056	<0.028	<0.028	<0.028	<0.056	0.0001	<0.028	<0.00011	<0.056
	MW22-ROX-071414	7/14/2014		41.85	NE	<0.00057 U	<0.0054	<0.011	<0.025	<0.00011	0.00015	<0.0054		<0.00011	<0.0054	0.0198	0.0355	0.0102 J	0.0204	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.00018 U	<0.0054	<0.00011	<0.011
	MW22-ROX-101014	10/10/2014		41.43	NE	<0.0063	<0.0063	<0.013	<0.25	<0.00013	0.00014	<0.0063		<0.00013	<0.0063	0.0193	0.0339	0.0064 J	0.011 J	<0.013	<0.0063	<0.0063	<0.0063	<0.013	0.00036	0.0079	<0.00013	<0.013
	MW22-ROX-011615	1/16/2015		42.19	NE	<0.0053	<0.0053	<0.011	<0.25	<0.00011	0.00051	<0.0053		<0.00011	<0.0053	0.0153	0.0184	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000064	0.0119	<0.00011	<0.011
	MW22-ROX-041415	4/14/2015		43.71	NE	<0.0052	<0.0052	<0.01	<0.025	0.000016 J	0.00021	<0.0052	0.047 JN	<0.0001	<0.0052	0.024	0.0397	<0.01	0.0201	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00013	0.0108	0.00002 J	<0.01
	MW22-ROX-071515	7/15/2015		42.64	NE	<0.029	<0.029	<0.057	<0.5	<0.00011	0.00011	<0.029	0.033 JN	<0.00011	<0.029	0.0216	0.0374	0.0075 J	<0.057	<0.057	<0.029	<0.029	<0.029	<0.057	0.000099	<0.029	<0.00011	<0.057
	MW22-ROX-101415	10/14/2015		40.54	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.021	<0.0002	<0.01	0.015	0.026	0.0055 J	0.0097 J	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	<0.0002	0.0082 J	<0.0002	0.0038 J * J
	MW22-ROX-011516	1/15/2016	37.88 - 47.88	40.42	NE	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	0.029	<0.002	<0.01	0.022	0.038	0.0095 J	0.021	<0.01	<0.01	<0.01	<0.01	<0.02	<0.002	0.015	<0.002	0.0032 J
	MW22-ROX-011516-DUP	1/15/2016		40.42	NE	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	0.027	<0.002	<0.01	0.019	0.033	0.0083 J	0.019 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.002	0.013	<0.002	<0.01
MW-23	MW23-ROX-012615	1/26/2015	29.02 - 39.02	30.90	NE	<0.005	<0.005	<0.005	<0.2	<0.001	0.00096 J	<0.005 UJ		<0.0002	<0.005	0.0019	0.00056 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	0.0037	<0.005	<0.001	<0.01
	MW23-ROX-040815	4/8/2015		32.24	NE	<0.0051	<0.0051	<0.01	<0.025	0.000029 J	0.000053 J	<0.0051		<0.0001	<0.0051	0.000036 JB J	0.000028 JB J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00057	<0.0051	0.00015	<0.01
	MW23-ROX-071015-BP	7/10/2015		30.54	NE	<0.0056	<0.0056	<0.011	<0.025	0.00002 J	0.000025 J	<0.0056		<0.00011	<0.0056	0.000045 JB J	0.000079 JB J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000052 J	<0.0056	0.000068 J	<0.011
	MW23-ROX-100515	10/5/2015		28.89	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000072 J	0.00011 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW-23-ROX-010716	1/7/2016	29.02 - 39.02	28.78	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	0.000022 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000027 J	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	0.00049 J	<0.0052	<0.01	<0.025	0.000088 J	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	0.00015 J	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	0.000066 J	<0.01 UJ
	MW24-ROX-071113	7/11/2013		40.35	NE	<0.0054	<0.0054	<0.011		<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022 UJ	0.000062 J	<0.011 UJ	<0.011 UJ	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011 UJ	<0.000038 U	<0.0053 UJ	<0.00011	<0.011 UJ
	MW24-ROX-100913	10/9/2013		41.27	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW24-ROX-011514	1/15/2014		43.47	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW24-ROX-040914	4/9/2014		44.13	NE	<0.00092 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW24-ROX-071114	7/10/2014		42.97	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011 UJ
	MW24-ROX-100814	10/8/2014		42.16	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011 UJ
	MW24-ROX-011315	1/13/2015		43.17	NE	0.00023 J	<0.0053	<0.011	<0.025	<0.00011	0.000059 J	<0.0053		<0.00011	<0.0053	0.00009 JB	<0.000099 U	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000037 J	<0.0053	<0.00011	<0.011 UJ
	MW24-ROX-040915	4/9/2015		44.45	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.00002 JB J	0.000035 JB J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW24-ROX-070915	7/9/2015		44.65	NE	<0.0052	<0.0052	<0.01	<0.025 UJ	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	0.000049 J	0.000081 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000041 J	<0.0052	<0.0001	<0.01
	MW24-ROX-100715	10/7/2015		41.45	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000057 J	0.000087 J J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW24-ROX-011316	1/13/2016	38.89 - 48.89	41.44	NE	<0.01	<0.01	<0.01	<0.01	0.000036 J	<0.0002	<0.01	<0.01	0.000057 J	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	0.000034 J	<0.01
MW-25	MW25-ROX-102114	10/21/2014	35.59 - 45.59	36.44	NE	<0.0056	<0.0056	<0.011	<50	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.00093 J	0.00057 J	0.0011 J	0.0028 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000033 J	0.173	<0.00011	<0.011
	MW25-ROX-012215	1/22/2015		38.45	NE	0.00028 J	<0.0052	<0.01	<6.3	<0.000018 U	<0.0001	<0.0052		<0.0001	<0.0052	0.00036 J	0.00015 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	0.107	<0.000019 U	<0.01
	MW25-ROX-042115	4/21/2015		39.71	NE	<0.0051	<0.0051	<0.01	<1.3	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	0.00067 J	0.00035 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.0592	<0.0001	<0.01
	MW25-ROX-071515	7/15/2015		38.40	NE	<0.0052	<0.0052	<0.01	<5	<0.0001	0.000019 J	<0.0052		<0.0001	<0.0052	0.00088 J	0.00049 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000017 J	0.112	<0.0001	<0.01
	MW25-ROX-101915	10/19/2015		36.55	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.00026	0.00014 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.071	<0.0002	<0.01
	MW25-ROX-011416	1/14/2016	35.59 - 45.59	36.12	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.0004	0.00017 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.049	<0.0002	<0.01
MW-26	MW26-ROX-102114	10/21/2014	38.15 - 48.15	39.43	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW26-ROX-011215	1/12/2015		41.09	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.0021	<0.000017 U	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000015 J	<0.0052	<0.0001	<0.01 UJ
	MW26-ROX-040815	4/8/2015		42.52	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.0021	<0.0021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	MW26-ROX-070815	7/8/2015		41.76	NE	<0.0053	<0.0053	<0.011	<0.025 UJ	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000046 J	0.000065 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00003 J	<0.0053	<0.00011	<0.011
	MW26-ROX-100615	10/6/2015		39.19	NE	<0.01	0.00055 J	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000083 J	0.00013 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW26-ROX-010716	1/7/2016	38.15 - 48.15	39.55	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-27	MW27-ROX-102114	10/21/2014	39.79 - 49.79	41.57	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011	<0.011
	MW27-ROX-011515	1/15/2015		42.06	NE	0.00026 J J	<0.0053 UJ	<0.011	<0.025	<0.00011	0.000023 J J	<0.0053		0.000047 J [1]	<0.0053	<0.0021	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000028 J J	<0.0053	0.000019 J J	<0.011
	MW27-ROX-041015	4/10/2015		43.22	NE	<0.0054	<0.0054	<0.011	<0.025	0.000024 J J	<0.00011	<0.0054		<0.00011	<0.0054	0.000036 J	0.00007 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000019 JB J	<0.0054	0.000018 J	<0.011
	MW27-ROX-071015	7/10/2015		43.00	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.00005 JB J	0.000086 JB J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	MW27-ROX-100815	10/8/2015		40.32	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000035 J	0.000051 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW27-ROX-011316	1/13/2016	39.79 - 49.79	40.68	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-28	MW28-ROX-102114	10/21/2014	33.61 - 43.61	36.44	NE	0.00026 J	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.00075 J	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000017 J	<0.0053	<0.00011	<0.011
	MW28-ROX-011515	1/15/2015		41.14	NE	0.00033 J J	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	0.00047 J	<0.0022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011	<0.011
	MW28-ROX-041415	4/14/2015		42.34	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		0.000035 J	<0.0057	0.00024 J	0.000037 J	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011	<0.011
	MW28-ROX-071515	7/15/2015		42.19	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.00021 J J	0.0001 JB J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00002 J	<0.0056	<0.00011	<0.011
	MW28-ROX-101215	10/12/2015		40.04	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000069 J	0.00007 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-101215-DUP	10/12/2015		40.04	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000033 J	0.000028 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-011416	1/14/2016	33.61 - 43.61	39.98	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.013	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																					
P-54	P54-ROX-041013	4/10/2013	38.00 - 63.00	41.80	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		<0.00011	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011	<0.011
	P54-ROX-050313	5/3/2013		41.80	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	P54-ROX-071113	7/11/2013		39.07	NE	<0.0052	<0.0052	<0.01		<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021 UJ	0.000083 J	<0.01	<0.01	<0.01 UJ	<0.0052	<0.0052	<0.0052	<0.01	<0.000049 U	<0.0052 UJ	<0.0001	<0.01 UJ
	P54-ROX-100813	10/8/2013		39.94	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		<0.00011	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011	<0.011 UJ
	P54-ROX-011514	1/15/2014		42.20	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	P54-ROX-040914	4/9/2014		42.80	NE	<0.00062 U	<0.006	<0.012	<0.025	<0.00012	<0.00012	<0.006		<0.00012	<0.006	<0.00024	<0.00024	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	<0.00006	<0.006	<0.00012	<0.012
	P54-ROX-071114	7/10/2014		41.71	NE	<0.00028 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00011 J	0.00013 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000051 U	<0.0054	<0.00011	<0.011 UJ
	P54-ROX-100814	10/8/2014		40.88	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011 UJ
	P54-ROX-011415	1/14/2015		41.79	NE	<0.0056	<0.0056	<0.011	<0.025	0.000021 J J	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00002 J	<0.0056	0.00003 J	<0.011
	P54-ROX-041015	4/10/2015		43.20	NE	<0.0053	<0.0053	<0.011	<0.025	0.00002 J J	<0.00011	<0.0053		<0.00011	<0.0053	0.000024 J	0.000046 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000025 JB J	<0.0053	0.000018 J	<0.011
	P54-ROX-070915	7/9/2015		42.25	NE	<0.0052	<0.0052	<0.01	<0.025 UJ	<0.0001	0.000019 J	<0.0052		<0.0001	<0.0052	0.000089 J	0.00015 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000041 J	<0.0052	<0.0001	<0.01
	P54-ROX-100915	10/9/2015		40.20	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000037 J	0.000063 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P54-ROX-011216	1/12/2016	38.00 - 63.00	40.22	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
P-55R	P55-ROX-041513	4/15/2013	40.43 - 50.43	43.63	NE	<0.0052	<0.0052	<0.01	<0.05	<0.0001	0.0013	<0.0052		<0.0001	<0.0052	0.0268	0.0389	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0021	<0.0052	<0.0001	<0.01 UJ
	P55-ROX-071613	7/16/2013		40.06	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	0.0015	<0.0056		<0.00011	<0.0056	0.0244	0.0353	<0.011 UJ	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.0019	0.0048 J J	<0.00011	<0.011
	P55-ROX-101013	10/10/2013		41.67	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	0.0014	<0.0055		<0.00011	<0.0055	0.0279	0.0415	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.0017	0.002 J	<0.00011	<0.011
P-56	P56-ROX-041213	4/12/2013	40.82 - 65.82	46.12	NE	<0.0055	<0.0055	<0.011	<0.05	<0.00011	0.00032	<0.0055		<0.00011	<0.0055	0.0208	0.0239	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.0012	<0.0055	<0.00011	<0.011
	P56-ROX-071513	7/15/2013		43.25	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	0.00059	<0.0055		<0.00011	<0.0055	0.0315	0.0431	<0.011 UJ	0.0064 J	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.0015	<0.0055 UJ	<0.00011	<0.011
	P56-ROX-101013	10/10/2013		44.48	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	0.00044	<0.0055		<0.00011	<0.0055	0.0251	0.03	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.0013	<0.0055	<0.00011	<0.011
	P56-ROX-012214	1/22/2014		46.35	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	0.00035	<0.0052		<0.0001	<0.0052	0.0193	0.0228	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0012	<0.0052	<0.0001	<0.01
	P56-ROX-041414	4/14/2014		47.32	NE	0.00051 J	<0.0059	<0.012	<0.025	<0.00012	0.00038	<0.0059		<0.00012	<0.0059	0.0223	0.0269	<0.012	0.0008 J	<0.012	<0.0059	<0.0059	<0.0059	<0.012	0.0012	<0.0059	<0.00012	<0.012
	P56-ROX-070814	7/8/2014		45.97	NE	<0.0056	<0.0056	<0.011	<0.025 UJ	<0.00011	0.00036	<0.0056		<0.00011	<0.0056	0.0181	0.0243	<0.011	0.0165	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.001	<0.0056	<0.00011	<0.011
	P56-ROX-101314	10/13/2014		45.05	NE	<0.00035 U	<0.0054	<0.011	<0.025	<0.00011	0.00041	<0.0054		<0.00011	<0.0054	0.0235	0.0296	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0015	<0.0054	<0.00011	<0.011 UJ
	P56-ROX-011915	1/19/2015		46.58	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	0.0003	<0.0054		<0.00011	<0.0054	0.0197	0.0223	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0011	<0.0054	0.00003 J	<0.011
	P56-ROX-041515	4/15/2015		48.05	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	0.00041	<0.0054		<0.00011	<0.0054	0.026	0.0293	<0.011	0.0011 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0013	<0.0054	0.000027 J J	<0.011
	P56-ROX-071015	7/10/2015		47.34	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	0.00033	<0.0053		<0.00011	<0.0053	0.0262	0.0119	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0014	<0.0053	0.000029 J	<0.011
	P56-ROX-101415	10/14/2015		44.85	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00018 J	<0.01	<0.01	<0.0002	<0.01	0.013	0.011 J	<0.01	0.29	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	0.00082	<0.01	<0.0002	<0.01 UJ
	P56-ROX-011116	1/11/2016	40.82 - 65.82	44.78	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00044	<0.01	<0.01	<0.0002	<0.01	0.021	0.019	<0.01	0.0028 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.0014	<0.01	<0.0002	<0.01
P-57	P57-ROX-041113	4/11/2013	40.46 - 65.46	46.29	NE	<0.0051	<0.0051	<0.01	<13	<0.0001	0.00076	<0.0051		<0.0001	<0.0051	0.0348	0.0453	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00074	0.146	<0.0001	<0.01
	P57-ROX-071613	7/16/2013		43.38	NE	<0.0056	<0.0056	<0.011	<0.025	0.000038 J	0.0008	<0.0056		<0.00011	<0.0056	0.0267	0.0365	<0.011 UJ	0.0086 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00073	0.164 J	<0.000052 U	<0.011
	P57-ROX-101413	10/14/2013		44.38	NE	0.00049 J	<0.0054	<0.011	<0.025	<0.00011	0.00067	<0.0054		<0.00011	<0.0054	0.0252	0.0324	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	0.00049	0.202	0.000047 J	<0.011 UJ
	P57-ROX-020314	2/3/2014		46.57	NE	<0.0053	<0.0053	<0.011	<25	<0.00011	0.00062	<0.0053		<0.00011	<0.0053	0.0234	0.0314	<0.011	0.0027 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00052	0.168 J	<0.00011	<0.011 UJ
	P57-ROX-041514	4/15/2014		46.70	NE	<0.00058 U	<0.0056	<0.011	<0.025	<0.00011	0.00061	<0.0056		<0.00011	<0.0056	0.0238	0.032	<0.011	<0.011	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	0.00045 J	0.106 J	<0.00011	<0.011 UJ
	P57-ROX-070814	7/8/2014		45.95	NE	0.00026 J	<0.0053	<0.011	<0.025 UJ	<0.00011 UJ	0.00055	<0.0053	0.024 JN	<0.00011	<0.0053	0.022	0.0306	<0.011	0.0303	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00047	0.141	<0.00011	<0.011
	P57-ROX-070814-DUP	7/8/2014		45.95	NE	0.00027 J	<0.0054	<0.011	<0.025 UJ	<0.00011 UJ	0.00054	<0.0054	0.023 JN	<0.00011	<0.0054	0.022	0.03	<0.011	0.0299	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00048	0.136	<0.00011	<0.011
	P57-ROX-101414-DUP	10/14/2014		45.00	NE	<0.00082 U	<0.0058	<0.012	<50	<0.00012	0.00065	<0.0058		<0.00012	<0.0058	0.0243	0.0338	<0.012	0.0138	<0.012	<0.0058	<0.0058	<0.0058	<0.012	0.00058	0.271 J	<0.00012	<0.012
	P57-ROX-101414	10/14/2014		45.00	NE	<0.00086 U	<0.0056	<0.011	<50	<0.00011	0.00068	<0.0056		<0.00011	<0.0056	0.026	0.0345	<0.011	0.0152	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00059	0.274 J	<0.00011	<0.011
	P57-ROX-012315	1/23/2015	44.19 - 54.19	47.52	NE	0.00039 J	<0.0053	<0.011	<13	<0.00002 U	0.00098	<0.0053		<0.00011	<0.0053	0.0385	0.0507	<0.011	0.0044 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00062	0.159	<0.000027 U	<0.011 UJ
	P57-ROX-042015	4/20/2015		48.73	NE	0.00037 J	<0.0052	<0.01	<1.3	<0.0001	0.00089	<0.0052		<0.0001	<0.0052	0.0312	0.045	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0007	0.164	0.000021 J	<0.01
	P57-ROX-071315	7/13/2015		47.81	NE	0.00044 J	<0.0053	<0.011	<25	<0.00011	0.00082	<0.0053		<0.00011	<0.0053	0.0302	0.0464	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00064	0.189	0.00002 J	<0.011
	P57-ROX-101515	10/15/2015		45.56	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00045	<0.01	<0.01	<0.0002	<0.01	0.018	0.026	<0.01	0.038	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.87	<0.0002	<0.01
	P57-ROX-011216	1/12/2016	44.19 - 54.19	45.61	NE	<0.01	<0.01	<0.01	<0.01	<0.001	0.00089 J	<0.01	0.0037 J	<0.001	<0.01	0.038	0.057	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00071 J	0.21	<0.001	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																					
P-58	P58-ROX-041113	4/11/2013	40.21 - 65.21	44.40	NE	<0.0054	<0.0054	<0.011	<50	0.00019	0.0022	<0.0054		<0.00011	<0.0054	0.0692	0.0961	<0.011	0.014	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0021	0.0985	0.00055	<0.011
	P58-ROX-071613	7/16/2013		41.49	NE	<0.0055	<0.0055	<0.011	<0.025	0.000071 J	0.0013	<0.0055		<0.00011	<0.0055	0.0544	0.0708	<0.011 UJ	0.0359	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00099	0.247	<0.0002 U	<0.011
	P58-ROX-101413	10/14/2013		42.19	NE	0.00058 J	<0.0054	<0.011	<0.025	0.000066 J	0.0014	<0.0054		<0.00011	<0.0054	0.0488	0.0628	<0.011	0.0481	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	0.00095	0.213	0.00021	<0.011 UJ
	P58-ROX-020314	2/3/2014		44.66	NE	<0.0052	<0.0052	<0.01	<25	0.000058 J	0.0011	<0.0052		<0.0001	<0.0052	0.0353	0.0474	<0.01	0.0073 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00069	0.123 J	0.00014	<0.01 UJ
	P58-ROX-041514	4/15/2014		45.66	NE	<0.0013 U	0.00072 J	<0.011 UJ	<0.025	0.00079	0.0017	0.00088 J		0.00072	<0.0053 UJ	0.0284	0.0381	<0.011 UJ	0.0136 J	<0.011 UJ	<0.0053	0.0021 J J	<0.0053 UJ	<0.011 UJ	0.0013	0.123 J	0.00085	<0.011 UJ
	P58-ROX-071814	7/18/2014		43.80	NE	<0.00032 U	<0.0055	<0.011	<25 UJ	0.000062 J	0.0012	<0.0055		0.0005	<0.0055	0.0412	0.0554	<0.011	0.012	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00092	0.173	0.00022	<0.011
	P58-ROX-101514	10/15/2014		43.14	NE	<0.0054	<0.0054	<0.011	<13	0.000064 J	0.0015	<0.0054		<0.00011	<0.0054	0.0504	0.0674	<0.011	0.0237	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.001	0.145	0.00024	<0.011
	P58-ROX-012315	1/23/2015		45.32	NE	0.00038 J	<0.0053	<0.011	<25	<0.000028 U	0.0011	<0.0053		<0.00011	<0.0053	0.0428	0.0565	<0.011	0.0025 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00064	0.162	0.000097 JB	<0.011 UJ
	P58-ROX-042015	4/20/2015		46.67	NE	0.00028 J	<0.0052	<0.01	<0.25	0.000048 J	0.0012	<0.0052		<0.0001	<0.0052	0.0444	0.0563	<0.01	0.0047 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00075	0.112	0.00019	<0.01
	P58-ROX-071415	7/14/2015		45.54	NE	0.00081 J	<0.0055	<0.011	<25	0.000054 J	0.0011	<0.0055		<0.00011	<0.0055	0.04	0.055	<0.011	0.0165	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00083	0.153	0.00023	<0.011
	P58-ROX-101615	10/16/2015		43.45	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00038	<0.01	<0.01	<0.0002	<0.01	0.016	0.021	<0.01	0.013 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00021	0.23	0.000062 J	<0.01
	P58-ROX-011316	1/13/2016	40.21 - 65.21	43.18	NE	<0.01	<0.01	<0.01	<0.01	0.000063 J	0.0012	<0.01	0.0025 J	<0.0002	<0.01	0.062	0.083	<0.01	0.015 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00087	0.068	0.00017 J	<0.01
P-59	P59-ROX-041213	4/12/2013	47.91 - 72.91	46.95	NE	<0.0054	<0.0054	<0.011	<1.3	0.000077 J	0.00064	<0.0054		<0.00011	<0.0054	0.0247	0.0369	0.174	0.0842	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0012	0.119	0.000098 J	<0.011
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	<0.0053	<0.0053	<0.011	<1.3	0.000078 J	0.00065	<0.0053		<0.00011	<0.0053	0.0265	0.0383	0.154	0.0794	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0012	0.101	0.0001 J	<0.011
	P59-ROX-071613	7/16/2013		44.13	NE	<0.0054	<0.0054	<0.011	<0.025	0.000061 J	0.00063	<0.0054		<0.00011	<0.0054	0.0189	0.0302	0.17	0.042	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00087	0.121 J	<0.000078 U	<0.011
	P59-ROX-101013	10/10/2013		45.50	NE	<0.0054	0.00091 J	<0.011	<0.025	0.00015	0.0007	<0.0054		<0.00011	<0.0054	0.0192	0.0305	0.201	0.0528	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0014	0.0524	0.00028	<0.011
	P59-ROX-020314	2/3/2014		47.35	NE	<0.0052	<0.0052	<0.01	<0.5	0.00012	0.00067	<0.0052		<0.0001	<0.0052	0.0141	0.0214	0.31 J	0.0142	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0014	0.0444 J	0.00019	<0.01 UJ
	P59-ROX-041514	4/15/2014		48.60	NE	<0.0053	<0.0053	<0.011	<0.025	0.00015	0.00066	<0.0053		<0.00011	<0.0053	0.0233	0.0317	<0.011	0.0186 J	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	0.0016	0.13 J	0.0003	<0.011 UJ
	P59-ROX-070814	7/8/2014		47.69	NE	0.00045 J	<0.0057	<0.011	<0.025 UJ	0.000053 J J	0.00046	<0.0057		<0.00011	<0.0057	0.0181	0.0291	0.0793	0.0184	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.00088	<0.0057	0.0001 J	<0.011
	P59-ROX-101414	10/14/2014		46.18	NE	<0.00042 U	<0.0054	<0.011	<0.025	<0.00054	0.00087	<0.0054		<0.00054	<0.0054	0.0268	0.0425	0.0387	0.0092 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0015	0.0361	<0.00054	<0.011
	P59-ROX-011915	1/19/2015		47.42	NE	<0.0054	<0.0054	<0.011	<2.5	0.00014	0.00073	<0.0054		<0.00011	<0.0054	0.0145	0.0216	0.0789	0.0145	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0013	0.0169	0.00027	<0.011
	P59-ROX-041615	4/16/2015		48.83	NE	<0.0054	<0.0054	<0.011	<0.25	0.000078 J	0.00028	<0.0054	0.057 JN	<0.00011	<0.0054	0.0136	0.0189	0.0661	0.168	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00081	0.0909	0.00014	<0.011
	P59-ROX-071315	7/13/2015		47.85	NE	<0.0054	<0.0054	<0.011	<0.63	0.0002	0.00045	<0.0054		<0.00011	<0.0054	0.0045	0.0049	0.044	0.0123	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00064	0.0062	0.00039	<0.011
	P59-ROX-101515	10/15/2015		45.75	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.002	<0.01	0.0091 J	<0.0002	<0.01	0.014	0.014	0.093	0.061	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	<0.0002	0.072	<0.0002	<0.01 UJ
	P59-ROX-011216	1/12/2016	47.91 - 72.91	46.10	NE	<0.01	0.00049 J	<0.01	<0.01	0.00017 J	0.00055 J	<0.01	0.018	<0.001	<0.01	0.017	0.026	0.012	0.0068 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00089 J	<0.01	0.00019 J	0.0047 J
P-66	P66-ROX-041113	4/11/2013	34.72 - 59.72	36.03	NE	<0.0053	<0.0053	<0.011	<0.025	0.000072 J	0.0017	<0.0053		<0.00011	<0.0053	0.0681	0.0131	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00091	<0.0053	0.000087 J	<0.011
	P66-ROX-071213	7/12/2013		33.20	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00019 U	0.0018	<0.0056		0.00017	<0.0056	0.0688	0.0642	<0.011	<0.011	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	0.00088	0.0035 J J	<0.0002 U	<0.011 UJ
	P66-ROX-101013	10/10/2013		33.66	NE	<0.0056	<0.0056	<0.011	<0.025	0.000052 J	0.0013	<0.0056		<0.00011	<0.0056	0.0571	0.0218	<0.011	0.0034 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.0005	<0.0056	0.00009 J	<0.011
	P66-ROX-110713	11/7/2013		33.66	NE				<0.025																		
	P66-ROX-012914	1/29/2014		36.39	NE	<0.0053	<0.0053	<0.011	<0.025	0.000065 J	0.0016	<0.0053		0.000041 J	<0.0053	0.0701	0.0284	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00077	<0.0053	0.000099 J	<0.011
	P66-ROX-041114	4/11/2014		37.10	NE	<0.00088 U	<0.0058	<0.012	<0.025	<0.00012	0.0013	<0.0058		<0.00012	<0.0058	0.0649	0.023	<0.012	<0.012	<0.012	<0.0058	<0.0058	<0.0058	<0.012	0.00049	<0.0058	0.000049 J	<0.012
	P66-ROX-070714	7/7/2014		35.60	NE	0.0003 J	<0.0056	<0.011	<0.025	<0.00011	0.00078	<0.0056		<0.00011	<0.0056	0.0445	0.006	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00041 J	<0.0056	<0.00011	<0.011
	P66-ROX-101414	10/14/2014		34.48	NE	<0.00066 U	<0.0055	<0.011	<0.025	<0.00011	0.0011	<0.0055		<0.00011	<0.0055	0.0595	0.0075	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00064	<0.0055	0.000043 J	<0.011
	P66-ROX-011615	1/16/2015		36.62	NE	<0.00022 U	<0.0053	<0.011	<0.025	0.000047 J J	0.0014	<0.0053		<0.00011	<0.0053	0.0739	0.0178	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00072 J	<0.0053	0.000077 J J	<0.011
	P66-ROX-011615-DUP	1/16/2015		36.62	NE	<0.0054	<0.0054	<0.011	<0.025	0.001 J	0.0015	<0.0054		0.00014	<0.0054	0.0682	0.0165	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0016 J	<0.0054	0.00086 J	<0.011
	P66-ROX-041415	4/14/2015		38.27	NE	<0.0054	<0.0054	<0.011	<0.025	0.00005 J	0.0013	<0.0054		<0.00011	<0.0054	0.0665	0.02	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00062	<0.0054	0.000053 J	<0.011
	P66-ROX-041415-DUP	4/14/2015		38.27	NE	<0.0053	<0.0053	<0.011	<0.025	0.000038 J	0.0013	<0.0053		<0.00011	<0.0053	0.0627	0.0187	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00059	<0.0053	0.000041 J	<0.011
	P66-ROX-070815	7/8/2015		37.24	NE	<0.0053	<0.0053	<0.011	<0.025 UJ	0.000027 J	0.0011	<0.0053		<0.00011	<0.0053	0.0546	0.0075	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00053	<0.0053	0.000028 J	<0.011
	P66-ROX-070815-DUP	7/8/2015		37.24	NE	<0.0053	<0.0053	<0.011	<0.025 UJ	0.000024 J	0.0011	<0.0053		<0.00011	<0.0053	0.0574	0.0077	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00056	<0.0053	0.00004 J	<0.011
	P66-ROX-101315	10/13/2015		34.84	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.001 J	<0.0002	<0.01	0.034	0.0025	<0.01	<0.02	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P-66-ROX-010816	1/8/2016	34.72 - 59.72	34.64	NE	<0.01	<0.01	<0.01	<0.01	0.000037 J	0.0012	<0.01	<0.01	0.000049 J	<0.01	0.084 E J	0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00055	<0.01	0.000043 J	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																					
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
			Screening Values (mg/L)			0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																					
P-74	P74-ROX-041113	4/11/2013	44.43 - 69.43	42.83	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0046 U	<0.0001	<0.01
	P74-ROX-071513	7/15/2013		40.11	NE	<0.0054	<0.0054	<0.011	<0.025	0.00014	0.00011	<0.0054		<0.00011	<0.0054	0.0019	0.00019 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.00008 U	0.008	0.000074 J	<0.011
	P74-ROX-101413	10/14/2013		41.72	NE	0.00047 J	<0.0054	<0.011	<0.025	0.00015	0.00025	<0.0054		<0.00011	<0.0054	0.0073	0.0079	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	0.000079	0.0125	0.000057 J	<0.011 UJ
	P74-ROX-012414	1/24/2014		43.35	NE	0.00048 J	<0.0051	<0.01	<0.025	0.000088 J	0.00028	<0.0051		<0.0001	<0.0051	0.0088	0.0106	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.00014 U	0.0278	0.000049 J	<0.01
	P74-ROX-041514	4/15/2014		44.74	NE	<0.0014 U	<0.0059	<0.012	<0.025	<0.00012	<0.00012	<0.0059		<0.00012	<0.0059	0.0017 J	0.0022 J	<0.012	<0.012	<0.012	<0.0059	<0.0059 UJ	<0.0059	<0.012	0.000054 JB J	<0.0059 UJ	<0.00012	<0.012 UJ
	P74-ROX-070814	7/8/2014		43.02	NE	0.00039 J	<0.0057	<0.011	<0.025 UJ	<0.00011	0.00011	<0.0057		<0.00011	<0.0057	0.0034	0.003	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.000054 J	<0.0057	<0.00011	<0.011
	P74-ROX-101414	10/14/2014		41.48	NE	<0.0019 U	<0.005	<0.01	<0.025	<0.0001	<0.0001	<0.005		<0.0001	<0.005	<0.002	<0.002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001	<0.01
	P74-ROX-011915	1/19/2015		43.47	NE	<0.0053	<0.0053	<0.011	<0.025	0.000053 J	0.00023	<0.0053		<0.00011	<0.0053	0.0077	0.0107	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00015 B	0.0169	0.000038 J	<0.011
	P74-ROX-041515	4/15/2015		44.61	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.0021	<0.0021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01
	P74-ROX-071015	7/10/2015		43.28	NE	<0.0054	<0.0054	<0.011	<0.025	0.000019 J	<0.00011	<0.0054		<0.00011	<0.0054	0.00002 JB J	0.000029 JB J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	P74-ROX-101415	10/14/2015		41.75	NE	<0.01	0.00089 J	<0.01	<0.01	<0.0002	0.00012 J	<0.01	0.0022 J	<0.0002	<0.01	0.0032	0.0031	<0.01	<0.02	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	<0.0002	0.1	0.000037 J	<0.01 UJ
	P74-ROX-011116	1/11/2016	44.43 - 69.43	40.67	NE	<0.01	0.00063 J B	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
P-93A	P93A-ROX-041113	4/11/2013	48.17 - 63.17	46.29	NE	<0.005	<0.005	<0.01	<13	0.000046 J	0.0003	<0.005		<0.0001	<0.005	0.0146 J	0.0098	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00035	0.2	0.00004 J	<0.01
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	<0.005	<0.005	<0.01	<13	<0.0001	0.00025	<0.005		<0.0001	<0.005	0.0146 J	0.0096	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00024	0.179	<0.0001	<0.01
	P93A-ROX-071813	7/18/2013		43.25	NE	<0.0056	<0.0056	<0.011	<0.05	<0.00011	0.00023	<0.0056		<0.00011	<0.0056	0.0089	0.0062	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00021	0.107	<0.00011	<0.011
	P93A-ROX-101113	10/11/2013		44.18	NE	<0.005	<0.005	<0.01	<0.025	<0.0001	0.00028	<0.005		<0.0001	<0.005	0.0128	0.0085	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00013	0.0837 J	<0.0001	<0.01 UJ
	P93A-ROX-012914	1/29/2014		46.53	NE	<0.0054	<0.0054	<0.011	<13	<0.00011	0.00032	<0.0054		<0.00011	<0.0054	0.0133	0.0072	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00022 B	0.105	<0.00011	<0.011
	P93A-ROX-041714	4/17/2014		47.41	NE	<0.0012 U	<0.0056	<0.011	<13	<0.00011	0.00027	<0.0056		<0.00011	<0.0056	0.0086	0.0048	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00018 B J	0.0735	<0.00011	<0.011
	P93A-ROX-071814	7/18/2014		45.70	NE	<0.00077 U	<0.0057	<0.011	<13 UJ	<0.00011	0.00024	<0.0057		<0.00011	<0.0057	0.0084	0.0053	<0.011	<0.011	<0.011	0.0059	<0.0057	<0.0057	<0.011	0.00017 B	0.0355	<0.00011	<0.011
	P93A-ROX-071814-DUP	7/18/2014		45.70	NE	<0.00041 U	<0.0057	<0.011	<13 UJ	<0.00011	0.00025	<0.0057		<0.00011	<0.0057	0.0095	0.0062	<0.011	<0.011	<0.011	0.0052 J	<0.0057	<0.0057	<0.011	0.00017 B	0.0396	<0.00011	<0.011
	P93A-ROX-101514	10/15/2014		45.06	NE	0.00024 J	<0.0052	<0.01	<13	<0.0001	0.00037	<0.0052		<0.0001	<0.0052	0.0114	0.0095	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0003	0.0471	<0.0001	<0.01
	P93A-ROX-101514-DUP	10/15/2014		45.06	NE	0.00046 J J	<0.0054 UJ	<0.011 UJ	<13	<0.00011 UJ	0.00039 J	<0.0054 UJ		<0.00011 UJ	<0.0054 UJ	0.0122 J	0.0101 J	<0.011 UJ	<0.011 UJ	<0.011 UJ	0.0011 J J	<0.0054 UJ	<0.0054 UJ	<0.011 UJ	0.0003 J	0.05 J	<0.00011 UJ	<0.011 UJ
	P93A-ROX-012715	1/27/2015	43.07 - 53.07	46.05	NE	<0.005	<0.005	<0.005	<0.2 UJ	<0.001	<0.001	<0.005		<0.0002	<0.005	0.008	0.0038	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	0.00026 J	0.09	<0.001	<0.01
	P93A-ROX-041715	4/17/2015		47.02	NE	<0.0053	<0.0053	<0.011	<0.025	0.000017 J	0.00021	<0.0053		<0.00011	<0.0053	0.0061	0.0028	<0.011	0.00063 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00018	0.0251	0.000026 J	<0.011
	P93A-ROX-071315	7/13/2015		45.93	NE	0.00064 J	<0.0052	<0.01	<2.5	0.000025 J	0.00022	<0.0052		<0.0001	<0.0052	0.0056	0.0032	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00018	0.128	0.000032 J	<0.01
	P93A-ROX-101515	10/15/2015		43.69	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00012 J	<0.01	<0.01	<0.0002	<0.01	0.0041	0.0016	<0.01	0.0021 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.000086 J	0.078	<0.0002	<0.01
	P93A-ROX-101515-DUP	10/15/2015		43.69	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00013 J	<0.01	<0.01	<0.0002	<0.01	0.004	0.0016	<0.01	0.0023 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.000092 J	0.082	<0.0002	<0.01
	P-93A-ROX-011216	1/12/2016	43.07 - 53.07	43.73	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.0047 J	0.0018 J	<0.01	0.002 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00011 J	0.24	<0.0002	<0.01
	P-93A-ROX-011216-DUP	1/12/2016		43.73	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00018 J	<0.01	<0.01	<0.0002	<0.01	0.0064 J	0.0031 J	<0.01	0.003 J	<0.01	<0.01	<0.01	<0.01	<0.02	0.00013 J	0.19	<0.0002	<0.01
P-93B	P93B-ROX-041113	4/11/2013	74.60 - 76.60	46.32	NE	0.0013 J	<0.0051	<0.01	<13	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.122	<0.0001	<0.01
	P93B-ROX-071813	7/18/2013		43.30	NE	0.0005 J	<0.0056	<0.011	<0.05	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000034 J	0.151	<0.00011	<0.011
	P93B-ROX-101613	10/16/2013		44.43	NE	<0.005	<0.005	<0.01	<50	<0.0001	<0.0001	<0.005		<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	0.069	<0.0001	<0.01
	P93B-ROX-101613-DUP	10/16/2013		44.43	NE	<0.0051	<0.0051	<0.01	<50	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.082	<0.0001	<0.01
	P93B-ROX-012814	1/28/2014		46.58	NE	0.00045 J	<0.0055	<0.011	<25	<0.00011	<0.00011	<0.0055		<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000022 U	0.074	<0.00011	<0.011
	P93B-ROX-012814-DUP	1/28/2014		46.58	NE	0.00048 J	<0.0051	<0.01	<25	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000024 U	0.0927	<0.0001	<0.01
	P93B-ROX-041714	4/17/2014		47.46	NE	<0.0024 U	<0.0051	<0.01	<13	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.0719	<0.0001	<0.01
	P93B-ROX-041714-DUP	4/17/2014		47.46	NE	<0.00098 U	<0.0053	<0.011	<13	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.0861	<0.00011	<0.011
	P93B-ROX-071714	7/17/2014		45.75	NE	<0.00046 U	<0.0052	<0.01	<0.025 UJ	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000023 U	<0.0052 UJ	<0.0001	<0.01
	P93B-ROX-101514	10/15/2014		45.15	NE	0.00024 J	<0.0056	<0.011	<13	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	0.128	<0.00011	<0.011
	P93B-ROX-012315	1/23/2015		47.24	NE	0.00025 J	<0.0053	<0.011	<25	<0.00011	<0.000017 U	<0.0053		<0.00011	<0.0053	0.00002 J	<0.0021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.0979	<0.00011	<0.011 UJ
	P93B-ROX-012315-DUP	1/23/2015		47.24	NE	0.00031 J	<0.0053	<0.011	<25	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000023 J	0.000041 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000024 U	0.123	<0.00011	<0.011 UJ
	P93B-ROX-021915	2/19/2015		47.24	NE				<100																		
	P93B-ROX-041615	4/16/2015		48.42	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.000034 JB J	0.00008 JB J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.104 J	<0.00011	<0.011
	P93B-ROX-041615-DUP	4/16/2015		48.42	NE	<0.0053	<0.0053	<0.011	<25	<0.00011	0.00002 J	<0.0053		<0.00011	<0.0053	0.000028 JB J	0.000048 JB J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.08 J	<0.00011	<0.011
	P93B-ROX-070915	7/9/2015		47.74	NE	<0.0051	<0.0051	<0.01	<130 UJ	0.000035 J	0.000031 J	<0.0051		<0.0001	<0.0051	0.000041 J	0.000059 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.000054 J	0.101	0.000025 J	<0.01
	P93B-ROX-070915-DUP	7/9/2015		47.74	NE	<0.0051	<0.0051	<0.01	<50 UJ	0.000029 J	0.000095 J	<0.0051		<0.0001	<0.0051	0.000058 J	0.000077 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00031 J	0.0909	<0.0001	<0.01
	P93B-ROX-101515	10/15/2015		45.18	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	<0.0002	0.18	<0.0002	<0.01 UJ
	P93B-ROX-011316	1/13/2016	74.60 - 76.60	44.96	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.071	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																						
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
				Screening Values (mg/L)		0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																						
P-93C	P93C-ROX-041213	4/12/2013	94.26 - 96.26	46.21	NE	<0.005	<0.005	<0.01	<0.025	<0.0001	<0.0001	<0.005		<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005 UJ	<0.005	<0.01	<0.00005	<0.005	<0.0001	<0.01 UJ
	P93C-ROX-071813	7/18/2013		43.31	NE	<0.0056	<0.0056	<0.011	<0.05	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000026 J	0.0352	<0.00011	<0.011
	P93C-ROX-080813	8/8/2013		43.31	NE				<1.3																			
	P93C-ROX-101613	10/16/2013		44.31	NE	<0.0051	<0.0051	<0.01	<0.025	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.005 J	<0.0001	<0.01
	P93C-ROX-012414	1/24/2014		46.44	NE	0.00051 J	<0.0051	<0.01	<0.025	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001	<0.01
	P93C-ROX-041714	4/17/2014		47.34	NE	<0.00048 U	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052 UJ	<0.0001	<0.01
	P93C-ROX-071714	7/17/2014		45.61	NE	<0.00035 U	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000024 U	<0.0087 UJ	<0.0001	<0.01
	P93C-ROX-101514	10/15/2014		44.99	NE	<0.0056	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011	<0.011
	P93C-ROX-011915	1/19/2015	92.47 - 97.47	46.77	NE	<0.0054	<0.0054	<0.011	<2.5	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.000033 U	<0.000042 U	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000033 U	0.0309	<0.00011	<0.011
	P93C-ROX-021915	2/19/2015		46.77	NE				<200																			
	P93C-ROX-041615	4/16/2015		48.22	NE	<0.0054	<0.0054	<0.011	<2.5	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00006 JB J	0.000084 JB J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000024 J	0.0215	<0.00011	<0.011
	P93C-ROX-071315	7/13/2015		47.09	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.000095 JB J	0.00016 JB J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	P93C-ROX-101415	10/14/2015		44.91	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.0001 J	0.00013 J	<0.01	<0.02	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	P-93C-ROX-010816	1/8/2016	92.47 - 97.47	44.68	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
P-93D	P93D-ROX-041113	4/11/2013	125.75 - 127.75	46.37	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0087 U	<0.0001	<0.01
	P93D-ROX-071213	7/12/2013		43.51	NE	0.00045 J	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.00022	<0.000059 U	<0.011	<0.011	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	<0.000056	<0.0056 UJ	<0.00011	<0.011 UJ
	P93D-ROX-101113	10/11/2013		44.24	NE	<0.005	<0.005	<0.01	<0.025	0.000087 J	<0.0001	<0.005		<0.0001	<0.005	<0.0002	<0.0002	<0.01 UJ	<0.01 UJ	<0.01	<0.005	<0.005	<0.005	<0.01 UJ	<0.00005	<0.005 UJ	0.000084 J	<0.01 UJ
	P93D-ROX-013114	1/31/2014		46.62	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000024 U	<0.0053	<0.00011	<0.011
	P93D-ROX-041414	4/14/2014		47.54	NE	0.00036 J	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.00003 U	<0.0053	<0.00011	<0.011
	P93D-ROX-071714	7/17/2014		45.78	NE	<0.00025 U	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000022 U	<0.0052 UJ	<0.0001	<0.01
	P93D-ROX-101514	10/15/2014		45.14	NE	0.00031 J	<0.0054	<0.011	<0.25	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.0022	<0.0022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000019 J	0.0458	<0.00011	<0.011
	P93D-ROX-110414	11/4/2014		45.14	NE				<0.025																			
	P93D-ROX-012315	1/23/2015		42.28	NE	<0.0053	<0.0053	<0.011	<6.3	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.0021	0.000019 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.044	<0.00011	<0.011 UJ
	P93D-ROX-021915	2/19/2015		42.28	NE				<500																			
	P93D-ROX-042015	4/20/2015		48.52	NE	<0.0052	<0.0052	<0.01	<2.5	0.000024 J	0.00002 J	<0.0052		<0.0001	<0.0052	0.00012 J	0.00016 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000017 J	0.0395	0.000021 J	<0.01
	P93D-ROX-070915	7/9/2015		47.96	NE	<0.0051	<0.0051	<0.01	<13 UJ	0.000025 J	0.000019 J	<0.0051		<0.0001	<0.0051	0.000026 J	0.000038 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.000043 J	0.0278	0.000026 J	<0.01
	P93D-ROX-101515	10/15/2015		45.28	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000021 J	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.071	<0.0002	<0.01
	P93D-ROX-011316	1/13/2016	125.75 - 127.75	45.10	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	0.063	<0.0002	<0.01
P-114	P114-ROX-041513	4/15/2013	32.67 - 52.67	31.80	NE	0.00047 J	<0.0052	<0.01	<0.025	<0.0001	<0.0001	<0.0052		<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001	<0.01 UJ
	P114-ROX-071813	7/18/2013		27.22	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	<0.00011	<0.0055		0.000071 J	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.000059	<0.0055	<0.00011	<0.011
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000052 J	<0.0053	<0.00011	<0.011
	P114-ROX-101713	10/17/2013		29.43	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011	<0.011
	P114-ROX-012814	1/28/2014		32.11	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00015 B	<0.0054	<0.00011	<0.011
	P114-ROX-042114	4/21/2014		32.22	NE	0.0026 JB	<0.0051	<0.01	<0.025	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01 UJ	<0.000051	<0.0051	<0.0001	<0.01
	P114-ROX-071814	7/18/2014		30.87	NE	<0.00028 U	<0.0051	<0.01	<0.025 UJ	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.00012 U	<0.0051	<0.0001	<0.01
	P114-ROX-101714	10/17/2014		29.43	NE	<0.0057	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		<0.00011	<0.0057	<0.0023	<0.0023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011	<0.011 UJ
	P114-ROX-012115	1/21/2015		31.53	NE	0.00091 J	<0.0056	<0.011	<0.025	<0.00002 U	0.000048 J	<0.0056		<0.00011	<0.0056	<0.000092 U	<0.00012 U	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000046 U	<0.0056	<0.000042 U	<0.011 UJ
	P114-ROX-041715	4/17/2015		NM	NE	0.00031 J	<0.0053	<0.011	<0.025	0.000023 J	<0.00011	<0.0053		<0.00011	<0.0053	0.000025 JB J	0.000029 JB J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000039 J	<0.0053	0.000027 J	<0.011
	P114-ROX-070815	7/8/2015		29.16	NE	<0.005	<0.005	<0.01	<0.025 UJ	<0.0001	0.000033 J	<0.005		<0.0001	<0.005	<0.002	<0.002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.000023 J	<0.005	0.000032 J	<0.01
P-114R	P114R-ROX-100515	10/5/2015	23.01 - 33.01	26.24	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P114R-ROX-010716	1/7/2016	23.01 - 33.01	25.62	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.000081 J	0.000095 J	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01

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SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																				
						Di-n-butyl phthalate	Di-n-octyl phthalate	2,6-Dinitrotoluene	1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Indene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
					Screening Values (mg/L)	0.7 [1]	0.14 [2]	0.00031 [2]	0.0077 [1]	0.28 [1]	0.28 [1]	0.00006 [2]		0.00043 [1]	1.4 [2]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]		0.014 [1]	0.0006 [3]	0.0032 [2]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																				
ROST-3-MW	ROST3MW-ROX-040513	4/5/2013	37.81 - 47.81			<0.0054	0.00044 J	<0.0054	<0.011	<0.00011	0.00017	<0.0054		<0.00011	<0.0054	0.0029	0.0039	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	0.00055	<0.0054 UJ	<0.00011	<0.011 UJ
	ROST3MW-ROX-071113	7/11/2013		39.50	NE	<0.0054	<0.0054	<0.011		<0.00011	0.00043	<0.0054		<0.00011	<0.0054	0.0105 J	0.0142	<0.011 UJ	<0.011 UJ	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011 UJ	0.00073	<0.0054 UJ	<0.000044 U	<0.011
	ROST3-MW-ROX-100913	10/9/2013		40.16	NE	<0.0054	<0.0054	<0.011	<0.025	<0.00011	0.00012	<0.0054		<0.00011	<0.0054	0.0024	0.0026	<0.011 UJ	<0.011 UJ	<0.011	<0.0054	<0.0054	<0.0054	<0.011 UJ	0.00014	<0.0054 UJ	0.000044 J	<0.011
	ROST3MW-ROX-011714	1/17/2014		42.20	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.0011	0.00099	<0.011 UJ	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0053	<0.011 UJ	0.0002	<0.0053 UJ	<0.00011	<0.011
	ROST3MW-ROX-041014	4/10/2014		42.80	NE	<0.00076 U	<0.006	<0.012	<0.025	<0.00012	<0.00012	<0.006		<0.00012	<0.006	0.00075	0.0008	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	0.0001	<0.006	<0.00012	<0.012
	ROST3MW-ROX-071414	7/14/2014		41.88	NE	<0.0004 U	<0.0054	<0.011	<0.025	<0.00011	<0.00011	<0.0054		<0.00011	<0.0054	0.00092	0.00097	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.00016 U	<0.0054	<0.00011	<0.011
	ROST3MW-ROX-100914	10/9/2014		41.31	NE	<0.00026 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.00075 J	0.00057 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00014 B	<0.0056	<0.00011	<0.011
	ROST3MW-ROX-011515	1/15/2015		41.83	NE	0.00045 J J	<0.0057	<0.011	<0.025	0.000022 J J	0.000035 J J	<0.0057		<0.00011	<0.0057	0.001 J	0.00024 J	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.0001 J	<0.0057	0.000033 J J	<0.011
	ROST3MW-ROX-041315	4/13/2015		43.43	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	0.00003 J	<0.0052		<0.0001	<0.0052	0.001 J	0.0005 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00011	<0.0052	0.000019 J	<0.01
	ROST3MW-ROX-071315	7/13/2015		42.36	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	0.000048 J	<0.0053		<0.00011	<0.0053	0.0014 J	0.00084 JB	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00011 B	<0.0053	0.000018 J	<0.011
	ROST3MW-ROX-101215	10/12/2015		40.29	NE	<0.01	0.0028 J	<0.01	<0.01	0.000056 J	0.000086 J	<0.01	<0.01	0.000092 J	<0.01	0.0025	0.0023	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00018 J	<0.01	0.000056 J	<0.01
	ROST3MW-ROX-011416	1/14/2016	37.81 - 47.81	40.30	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.0017	0.0014	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.000096 J	<0.01	<0.0002	<0.01
ROST-4-PZ(C)	ROST4PZC-ROX-041013	4/10/2013	34.95 - 44.95	42.27	NE	<0.0055	<0.0055	<0.011	<0.025	<0.00011	0.000069 J	<0.0055		<0.00011	<0.0055	0.00062	0.000078 J	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00018	<0.0055 U	<0.00011	<0.011
	ROST4PZC-ROX-071113	7/11/2013		40.18	NE	<0.0054	<0.0054	<0.011		0.000099 J	0.00027	<0.0054		<0.00011	<0.0054	0.0027 J	0.0021	<0.011	<0.011	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011	0.00052	0.00057 J J	<0.00009 U	<0.011 UJ
	ROST4PZC-ROX-100913	10/9/2013		39.91	NE	<0.0053	<0.0053	<0.011	<0.025	<0.00011	<0.00011	<0.0053		<0.00011	<0.0053	0.002	0.00095	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0002	<0.0053	<0.00011	<0.011
	ROST4PZC-ROX-011714	1/17/2014		41.92	NE	<0.0059	<0.0059	<0.012	<0.025	<0.00012	<0.00012	<0.0059		<0.00012	<0.0059	0.00019 J	<0.00024	<0.01 UJ	<0.01 UJ	<0.012	<0.0059	<0.0059	<0.0059	<0.01 UJ	0.000077	<0.005 UJ	<0.00012	<0.012
	ROST4PZC-ROX-041014	4/10/2014		42.05	NE	<0.00038 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	0.000065 J	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000051 J	<0.0056	<0.00011	<0.011 UJ
	ROST4C-ROX-071114	7/10/2014		42.22	NE	<0.00031 U	<0.0053	<0.011	<0.025	<0.0001	<0.0001	<0.0053		<0.0001	<0.0053	0.00021	<0.0002	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.00012 U	<0.0053	<0.0001	<0.011 UJ
	ROST4PZC-ROX-100914	10/9/2014		41.30	NE	<0.00032 U	<0.0056	<0.011	<0.025	<0.00011	<0.00011	<0.0056		<0.00011	<0.0056	<0.0022	<0.0022	<0.011	0.00071 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000088 U	0.00088 J	<0.00011	<0.011
	ROST4PZC-ROX-011515	1/15/2015		41.65	NE	0.0003 J J	<0.0057	<0.011	<0.025	<0.00011	<0.00011	<0.0057		<0.00011	<0.0057	0.000038 J	0.000018 J J	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.00004 J J	<0.0057	0.000022 J J	<0.011
	ROST4PZC-ROX-041315	4/13/2015		43.00	NE	<0.0051	<0.0051	<0.01	<0.025	<0.0001	<0.0001	<0.0051		<0.0001	<0.0051	0.0012 J	0.00038 JB	<0.01	0.0011 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.000075	<0.0051	0.000022 J	<0.01
	ROST4PZ-ROX-071315	7/13/2015		41.86	NE	<0.0052	<0.0052	<0.01	<0.025	<0.0001	0.00005 J	<0.0052		<0.0001	<0.0052	0.0095	0.0077	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00011 B	<0.0052	0.000025 J	<0.01
	ROST4PZC-ROX-101215	10/12/2015		40.35	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	0.0012 J	<0.0002	<0.01	0.013	0.011	<0.01	0.0051 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	ROST4PZC-ROX-011516	1/15/2016	34.95 - 44.95	40.54	NE	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.01	<0.01	<0.002	<0.01	0.02	0.02	<0.01	0.001 J	<0.01	<0.01	<0.01	<0.01	<0.02	<0.002	<0.01	<0.002	<0.01
T-12	T12-ROX-041513	4/15/2013	46.72 - 72.72	44.99	NE	<0.0051	<0.0051	<0.01	<0.25	<0.0001	0.00037	<0.0051		<0.0001	<0.0051	0.0289	0.0444	0.0047 J	0.0042 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.0011	0.0149	0.000063 J	<0.01 UJ
	T12-ROX-071613	7/16/2013		42.33	NE	<0.0054	<0.0054	<0.011	<0.025	0.000044 J	0.00034	<0.0054		<0.00011	<0.0054	0.0236	0.0331	0.0029 J J	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0011	0.0514 J	<0.00009 U	<0.011
	T12-ROX-101513	10/15/2013		43.73	NE	<0.0054	<0.0054	<0.011	<0.13	<0.00011	0.00029	<0.0054		<0.00011	<0.0054	0.0199	0.0319	0.0018 J	0.0032 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00077	0.0083	0.00009 J	<0.011
	T12-ROX-012414	1/24/2014		45.26	NE	0.00044 J	<0.0051	<0.01	<0.025	<0.0001	0.00035	<0.0051		<0.0001	<0.0051	0.0215	0.0326	0.0022 J	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.001	0.0498	0.00006 J	<0.01
	T12-ROX-041514	4/15/2014		46.72	NE	<0.00034 U	<0.0056	<0.011	<0.025	<0.00011	0.0003	<0.0056		<0.00011	<0.0056	0.0189	0.0283	<0.011	<0.011	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	0.00078	0.0672 J	0.00005 J	<0.011 UJ
	T12-ROX-070814	7/8/2014		45.13	NE	0.00038 J	<0.0054	<0.011	<0.025 UJ	<0.00011	0.00022	<0.0054		<0.00011	<0.0054	0.015	0.0245	0.0092 J	0.0033 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00051	<0.0054	<0.00011	<0.011
	T12-ROX-101714	10/17/2014		44.40	NE	0.00061 J	<0.0056	<0.011	<0.25	<0.00011	0.00031	<0.0056		<0.00011	<0.0056	0.022	0.0369	0.003 J	0.0059 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00079	0.0154	<0.00011	<0.011 UJ
	T12-ROX-011915	1/19/2015	46.83 - 72.83	45.27	NE	<0.0053	<0.0053	<0.011	<0.25	<0.00011	0.00032	<0.0053	0.0069 JN	<0.00011	<0.0053	0.021	0.0332	0.0055 J	0.0016 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00082	0.0155	0.000055 J	<0.011
	T12-ROX-041515	4/15/2015		46.73	NE	0.00033 J	<0.0056	<0.011	<0.025	0.000024 J	0.00032	<0.0056		<0.00011	<0.0056	0.021	0.0335 J	0.0021 J	0.0042 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00086	0.0099	0.000052 J J	<0.011
	T12-ROX-071015	7/10/2015		46.09	NE	<0.0054	<0.0054	<0.011	<0.25	0.000027 J	0.00029	<0.0054		<0.00011	<0.0054	0.0178	0.0301	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00083	0.0221	0.000053 J	<0.011
	T12-ROX-101515	10/15/2015		43.72	NE	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.01	<0.0002	<0.01	0.017	0.024	<0.01	<0.02	<0.01 UJ	<0.01	<0.01	<0.01	<0.02	0.0005	0.054	0.000038 J	<0.01 UJ
	T12-ROX-011216	1/12/2016	46.83 - 72.83	44.13	NE	<0.01	<0.01	<0.01	<0.01	<0.0004	0.00033 J	<0.01	<0.01	<0.0004	<0.01	0.021	0.031	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	0.00088	0.064	<0.0004	<0.01

Notes:

1 Denotes screening critieria source from 35 I.A.C. 620, Subpart D.

2 Denotes screening critieria source from 35 I.A.C. 742 (TACO), Appendix B, Table E.

3 Denotes screening criteria source from IL EPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables).

4 Beginning in 4Q12, naphthalene was analyzed via 8260 VOC, and prior historical results were reported by PAH analysis.

5 Beginning in 4Q13, professional judgment criteria used to review common laboratory contaminants was reevaluated. Acetone, 2-butanone, and methylene chloride are only U-qualified when present in the method blank.

6 The laboratory has been requested to perform a library search in all samples for butane, hexane, isopentane, 1,2,3-trimethylbenzene, and indene, which are reported as Tentatively Identified Compounds (TICs), when identified.

7 Beginning in 4Q15, 1,4-Dioxane was analyzed via 8270 SVOC. Prior historical results were reported by VOC analysis.

Indicates a historical exceedance of screening criteria.

Indicates a current exceedance of screening criteria.

Empty cell without a value indicates previous quarter analyte result was rejected, the analyte was not analyzed, or the TIC was not identified.

LABORATORY QUALIFIERS
B = Target analyte or common lab contaminant was identified in the method blank indicating possible field or lab contamination.
D = The result is from a diluted sample.
J = The analyte was detected below the reporting limit. Result is estimated.
E = The value exceeds calibration range.
JN = Estimated value for tentatively identified compound (library search).

AECOM QUALIFIERS
J = The result is estimated.
UJ = Estimated non-detect.
U = Result is non-detect.

Figures

The following EVS Descriptions and Assumptions apply to **Figure 6.** C Tech Development Corporation's Environmental Visualization System PRO, Version 9.89 (EVS-PRO) was used to model the estimated distribution of benzene in the groundwater.

EVS Descriptions and Assumptions:

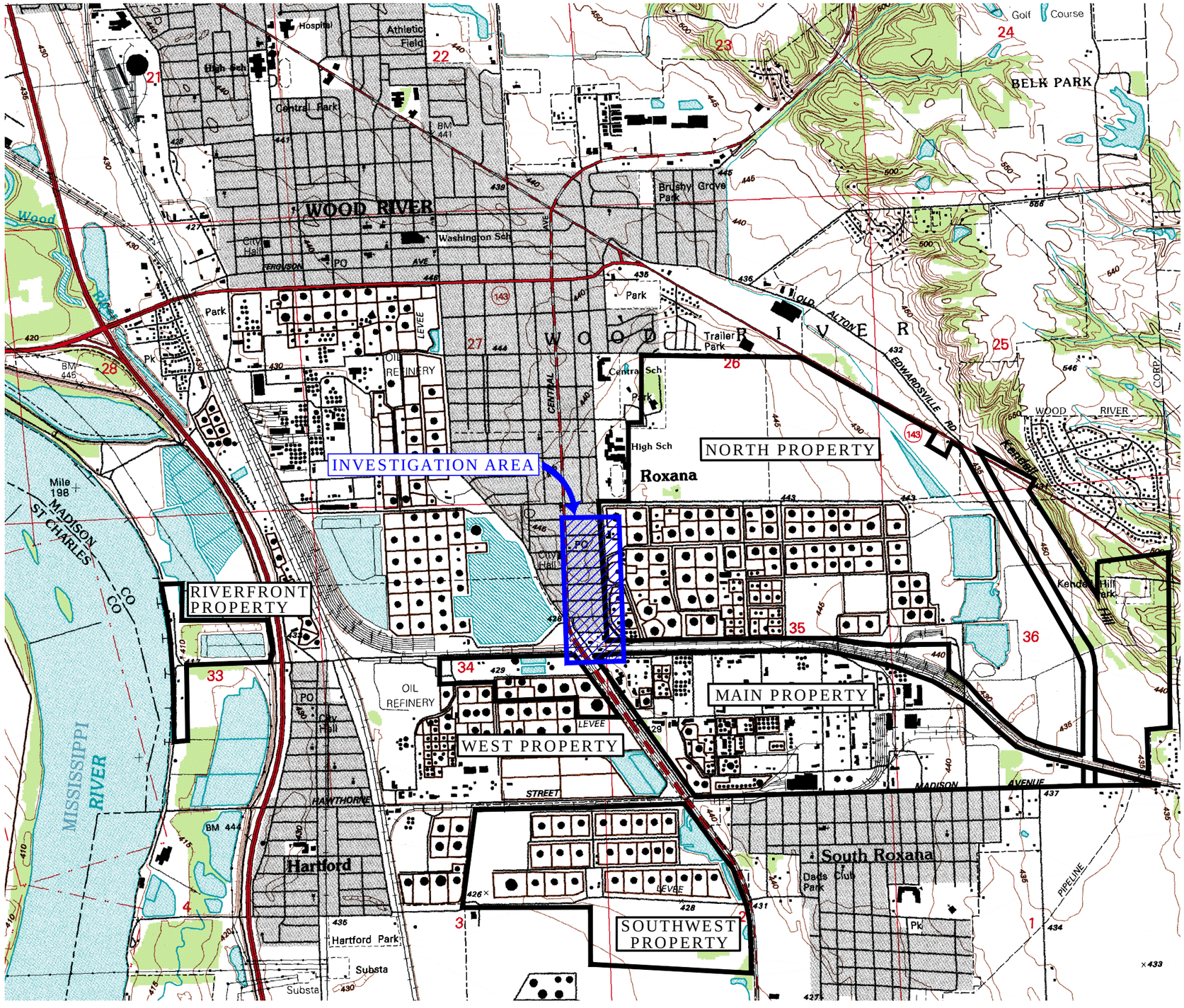
Plan View Model Output – The data input for the plan view model was not limited by depth and was modeled in two dimensions (2D). Regardless of sample depth, benzene concentrations were modeled on a flat horizontal plane.

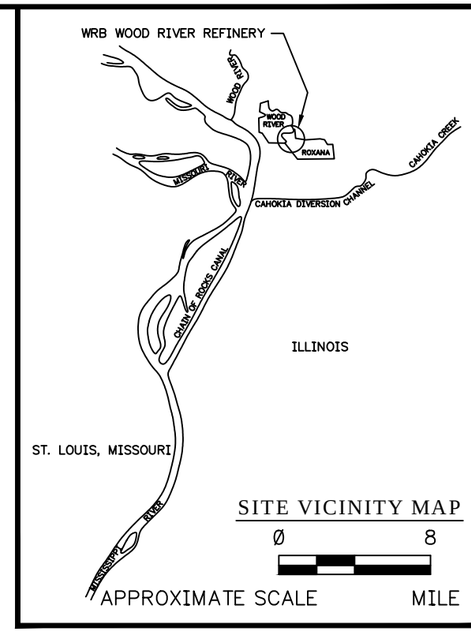
Inward Kriging / Boundary Cut-off – This method of Kriging limits the horizontal extent of data modeling to the extent of the data on the x/y plane in a convex hull.

More simplified, if each soil boring location were represented by a tack pushed into the model's surface and a rubber band stretched around them, the model would be represented by the space inside the rubber band.

Duplicate Samples – Analytical concentrations from duplicate samples collected at the same location and depth were averaged.

Detection Limits – In cases where the lab reported a non-detect, half the value of the lab reporting limit was used in the model. This conservative method is based on the assumption that the sample is likely not free of benzene but the quantity contained is lower than detectable at the analyzed dilution.





LEGEND

WOOD RIVER REFINERY PROPERTY BOUNDARY

INVESTIGATION AREA

SOURCE: ELECTRONIC USGS DIGITAL RASTER GRAPHIC 7.5 MINUTE TOPOGRAPHIC MAP OF WOOD RIVER, IL–MO REVISED 1994.

CONTOUR INTERVAL = 5 FT

Ø 2ØØØ

APPROXIMATE SCALE FEET

N

SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 6Ø477387
AECOM	
DRN. BY: djd April 2Ø16 DSGN. BY: djd CHKD. BY: b3	1Q16 Investigation Area Location Map
	FIG. NO. 1

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER 1Q16\DRAFT REPORT\FIGURES\FIG. 1 INVESTIGATION AREA LOCATION MAP.DWG Last edited: 03/29/16 @ 09:08 a.m. @ WCC-ST.LOUIS

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIGURE 2 GROUNDWATER MONITORING WELL SAMPLING LOCATIONS.DWG Last edited: MAR. 23, 16 @ 11:53 a.m. by: david_deguire

LEGEND

GROUNDWATER MONITORING WELL LOCATION SAMPLED

GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED

GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED

NOTES:
1. * INDICATES PERCHED GROUNDWATER MONITORING WELLS.

FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFEE ST
2ND STREET
VILLAGE OF ROXANA
WOOD RIVER REFINERY
BP
1986 APPROXIMATE BENZENE RELEASE SITE
RAND AVENUE
WEST PROPERTY
MAIN PROPERTY

T-1
PZ-1(101)
PZ-1(85)
MW-10
MW-9
MW-28
MW-27
P-55R
ROST-4-PZ(A)
ROST-4-PZ(B)
ROST-4-PZ(C)
ROST-4-PZ
P-60-11
ROST-3-MW
ROST-4-PZ(D)
ROST-4-PZ(E)
P-60-S
P-60-12
*P-60-12S
ROST-4-PZ(F)
P-60
A-28
T-24
ROST-4-PZ(G)
MW-11
P-68
P-54
* ROST-5-PZ
P-60-13
*P-60-13S
MW-17
T-12
MW-24
MW-22
* ROST-7-PZ
P-69
A-27
P-70
MW-18
P-74
MW-19
P-59
P-61
* ROST-21-PZ
MW-16
GP-9-PZ
PZ-2(84)
PZ-2(70.5)
* ROST-10-PZ
MW-12
MW-20
P-56
MW-2
MW-1
T-6
MW-26
MW-21
P-57
MW-4
MW-3
P-93A
P-93B
P-93C
P-93D
P-73
MW-25
MW-23
MW-5
MW-7
MW-8
P-58
P-66
P-75
MW-13
MW-6A
MW-6B
MW-6C
MW-6D
MW-14
P-114R

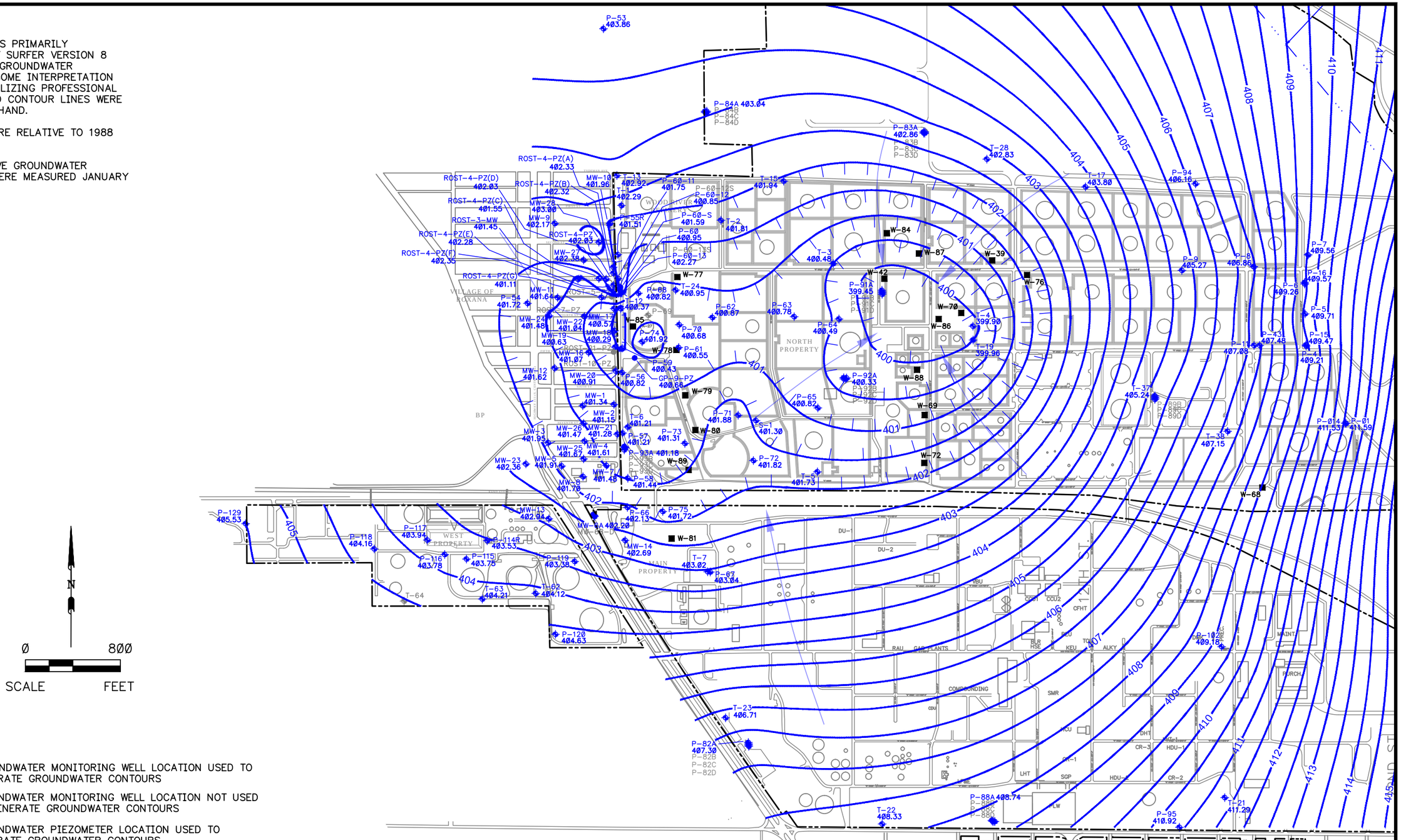
0 200
SCALE FEET
N

SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60477387
AECOM		
DRN. BY:djd April 2016 DSGN. BY:lr CHKD. BY:b3	1Q16 Groundwater Monitoring Well Sampling Locations	FIG. NO. 2

NOTES:
1. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 8 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.

2. ELEVATIONS ARE RELATIVE TO 1988 NGS DATUM.

3. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED JANUARY 4–6, 2Ø16.



SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 60477387

AECOM

DRN. BY:djd April 2Ø16
DSGN. BY:djd
CHKD. BY:lr,bbb

Groundwater Contours 1Q16

FIG. NO. 3a

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIGURE 3A ROXANNA 1Q16 CONTOUR MAP (800 SCALE).DWG Last edited: MAR. 23, 16 @ 11:49 a.m. by: david_deguire

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIGURE 3B ROXANNA 1Q16 CONTOUR MAP.DWG Last edited: MAR. 23, 16 @ 11:48 a.m. by: david_deguire

LEGEND

- GROUNDWATER MONITORING WELL LOCATION USED TO GENERATE GROUNDWATER CONTOURS
- GROUNDWATER MONITORING WELL LOCATION NOT USED TO GENERATE GROUNDWATER CONTOURS
- GROUNDWATER PIEZOMETER LOCATION USED TO GENERATE GROUNDWATER CONTOURS
- GROUNDWATER PIEZOMETER LOCATION NOT USED TO GENERATE GROUNDWATER CONTOURS
- WRR GROUNDWATER PRODUCTION WELL
- 402 GROUNDWATER SURFACE CONTOUR NAVD 88 (CONTOUR INTERVAL 0.5 FT)
- GROUNDWATER GRADIENT

NOTES:
1. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 8 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ELEVATIONS ARE RELATIVE TO 1988 NGS DATUM.
3. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED JANUARY 4–6, 2016.

FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER ST
RAND AVENUE
VILLAGE OF ROXANA
NORTH PROPERTY
WOOD RIVER REFINERY
WEST PROPERTY
MAIN PROPERTY
PUBLIC WORKS YARD
BP
1986 APPROXIMATE BENZENE RELEASE SITE

T-1 402.29
PZ-1(101)
PZ-1(85)
MW-9 402.17
MW-10 401.96
402.5
MW-28 403.00
P-55R 401.51
MW-27 402.38
ROST-4-PZ(A) 402.33
ROST-4-PZ 402.03
ROST-4-PZ(B) 402.32
P-60-11 401.75
ROST-4-PZ(C) 401.55
ROST-4-PZ(D) 402.03
P-60 400.95
ROST-3-MW 401.45
ROST-4-PZ(E) 402.28
P-60-S 401.59
P-60-12 400.85
P-60-12S
P-60-13 402.27
P-60-13S
ROST-4-PZ(F) 402.35
T-24 400.95
W-77
P-54 401.72
MW-11 401.64
ROST-4-PZ(G) 401.11
P-68 400.82
MW-17 400.57
T-12 400.37
MW-22 401.04
ROST-7-PZ
P-69
W-85
401.5
27
MW-24 401.48
MW-18 400.29
P-70 400.68
P-74 401.92
MW-19 400.63
P-61 400.55
W-78
P-59 400.43
ROST-21-PZ
MW-16 401.07
GP-9-PZ 400.66
PZ-2(84)
PZ-2(70.5)
ROST-10-PZ
P-56 400.82
MW-12 401.62
MW-20 400.91
401
W-79
MW-1 401.34
MW-2 401.15
T-6 401.21
MW-26 401.47
MW-21 401.28
P-57 401.21
MW-4 401.61
P-73 401.31
MW-3 401.95
P-93A 401.18
P-93B
P-93C
P-93D
MW-25 401.67
MW-5 401.91
MW-7 401.48
W-89
MW-23 402.36
MW-8 401.70
P-58 401.44
402
P-66 402.13
MW-13 402.94
403
402.20 MW-6A
MW-6B
MW-6C
MW-6D
P-75 401.72
W-81
MW-14 402.69
P-114R 403.53

0 200 FEET SCALE

N

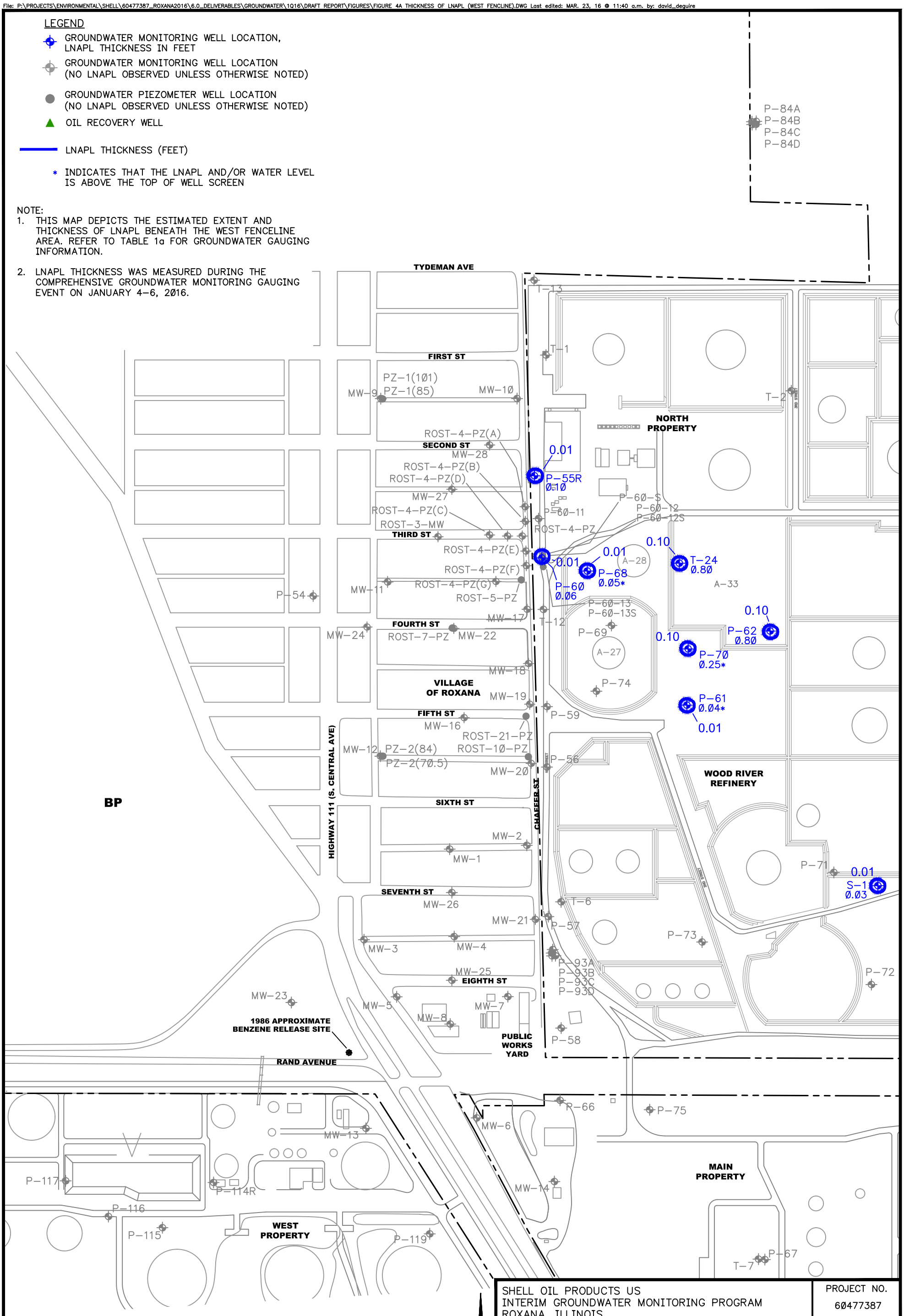
SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60477387
AECOM		
DRN. BY:djd April 2016 DSGN. BY:lr CHKD. BY:bbb	Groundwater Contours 1Q16– West Fenceline	FIG. NO. 3b

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIGURE 4A THICKNESS OF LNAPL (WEST FENCLINE).DWG Last edited: MAR. 23, 16 @ 11:40 a.m. by: david_deguire

LEGEND

- GROUNDWATER MONITORING WELL LOCATION, LNAPL THICKNESS IN FEET
- GROUNDWATER MONITORING WELL LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- GROUNDWATER PIEZOMETER WELL LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- OIL RECOVERY WELL
- LNAPL THICKNESS (FEET)
- * INDICATES THAT THE LNAPL AND/OR WATER LEVEL IS ABOVE THE TOP OF WELL SCREEN

NOTE:
1. THIS MAP DEPICTS THE ESTIMATED EXTENT AND THICKNESS OF LNAPL BENEATH THE WEST FENCELINE AREA. REFER TO TABLE 1a FOR GROUNDWATER GAUGING INFORMATION.
2. LNAPL THICKNESS WAS MEASURED DURING THE COMPREHENSIVE GROUNDWATER MONITORING GAUGING EVENT ON JANUARY 4–6, 2016.



SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 6Ø477387
AECOM	
DRN. BY: djd April 2Ø16 DSGN. BY: lr CHKD. BY: bbb	1Q16 Thickness of LNAPL – West Fenceline
	FIG. NO. 4a

LEGEND

- GROUNDWATER MONITORING WELL LOCATION GAUGED, LNAPL THICKNESS IN FEET
- GROUNDWATER MONITORING WELL LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- GROUNDWATER PIEZOMETER WELL LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- OIL RECOVERY WELL
- LNAPL THICKNESS (FEET)
- * INDICATES THAT THE LNAPL AND/OR WATER LEVEL IS ABOVE THE TOP OF WELL SCREEN

NOTES:
1. THIS MAP DEPICTS THE ESTIMATED EXTENT AND THICKNESS OF LNAPL BENEATH THE WRR AREA. REFER TO TABLE 1a FOR GROUNDWATER GAUGING INFORMATION.
2. LNAPL THICKNESS WAS MEASURED DURING A COMPREHENSIVE GROUNDWATER MONITORING GAUGING EVENT ON JANUARY 4–6, 2016.

NORTH PROPERTY

VILLAGE OF ROXANA

WEST PROPERTY

MAIN PROPERTY

SOUTHWEST PROPERTY

ILLINOIS TERMINAL RAILROAD

M ST.

12TH ST.

22ND ST.

P-53, P-84A, P-84B, P-84C, P-84D, P-83A, P-83B, P-83C, P-83D, T-28, P-94, P-55R 0.10, 0.01, P-60, P-59, P-60S, T-5, T-3, R-40, R-39, P-8, P-7, P-9, P-16, P-6, P-5, P-15, P-14, P-01, P-102, ROST-4-PZ(A), PZ-1(101), PZ-1(85), MW-28, MW-10, MW-9, ROST-4-PZ(B), MW-27, ROST-4-PZ(D), ROST-4-PZ(C), ROST-3-MW, ROST-4-PZ(E), ROST-4-PZ(F), ROST-5-PZ, P-54, MW-11, ROST-4-PZ(G), MW-22, MW-24, ROST-7-PZ, MW-19, MW-16, ROST-21-PZ, ROST-10-PZ, MW-12, PZ-2(84), PZ-2(70.5), MW-26, MW-3, MW-23, MW-5, MW-25, MW-4, MW-7, MW-8, MW-20, MW-1, MW-2, MW-21, P-56, P-57, P-58, P-71, P-72, P-73, P-74, P-75, P-66, P-65, P-68 0.05*, P-60 0.06, P-61 0.04*, P-62 0.80, P-63 0.03*, P-64 0.04*, P-70 0.25*, T-24 0.80, P-91A 0.04*, P-92A 0.02*, S-1 0.03, R-77 0.10, R-78, R-79, R-80, R-81, R-89, R-42, R-67, R-75, R-69, R-76, R-73A, R-73B, R-64, T-4, T-37, T-38, P-89D, P-89C, P-89B, P-92B, P-92C, P-92D, P-129, P-118, P-117, P-116, P-115, P-119, P-120, MW-6A, MW-6B, MW-6C, MW-6D, MW-14, T-64, T-63, T-62, T-7, P-67, T-23, P-82A, P-82B, P-82C, P-82D, T-22, T-21, P-95, DU-, DU-2, VBU, CCU1, CCU2, CFHT, BEU, TO, KEU, ALKY, BLR HSE, RAU, GAS PLANTS, LOT, DMK, P-REC., MAINT., PURCH., COMPOUNDING, CDU, SMR, HCU, DHT, KHT-1, HDU-1, HDU-2, CR-1, CR-2, CR-3, LHT, SGP, LF&E, PLW, W-59, W-60, W-62, W-67, W-47, FORMER R-74, FORMER R-62, 0 800, SCALE FEET, N

SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60477387
AECOM		
DRN. BY: djd April 2016 DSGN. BY: lr CHKD. BY: bbb	1Q16 Thickness of LNAPL	FIG. NO. 4b

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387 - ROXANA\2016\6.0 - DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIGURE 4B THICKNESS OF LNAPL (REFINERY).DWG Last edited: MAR. 23, 16 @ 10:49 a.m. by: david.deguire

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT_REPORT\FIGURES\FIGURE_5_1Q16_GROUNDWATER_ANALYTICAL_RESULTS_SUMMARY.DWG Last edited: MAR. 23, 16 @ 10:37 a.m. by: david_deguire

LEGEND

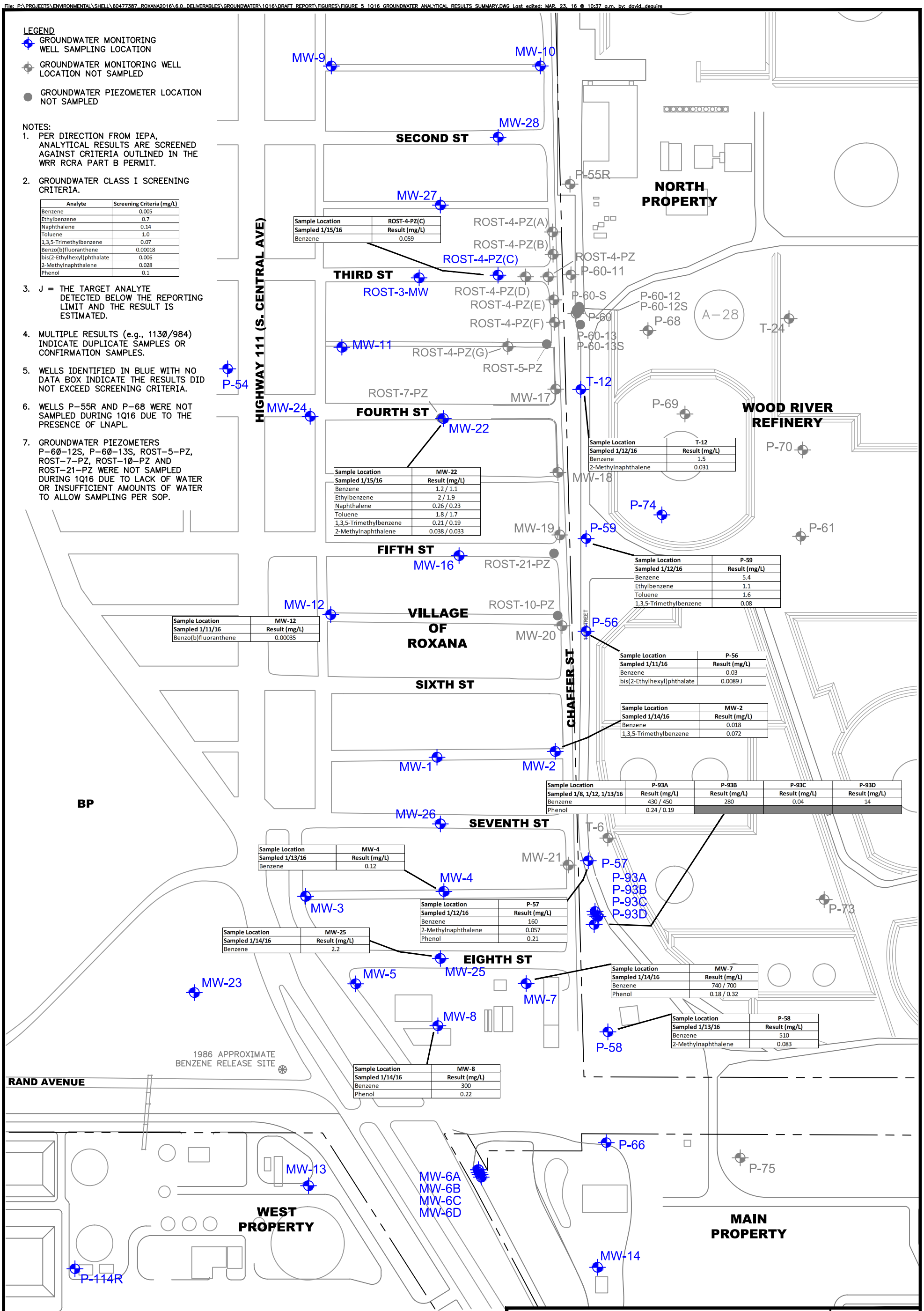
- GROUNDWATER MONITORING WELL SAMPLING LOCATION
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED

NOTES:

1. PER DIRECTION FROM IEPA, ANALYTICAL RESULTS ARE SCREENED AGAINST CRITERIA OUTLINED IN THE WRR RCRA PART B PERMIT.
2. GROUNDWATER CLASS I SCREENING CRITERIA.

Analyte	Screening Criteria (mg/L)
Benzene	0.005
Ethylbenzene	0.7
Naphthalene	0.14
Toluene	1.0
1,3,5-Trimethylbenzene	0.07
Benzo(b)fluoranthene	0.00018
bis(2-Ethylhexyl)phthalate	0.006
2-Methylnaphthalene	0.028
Phenol	0.1

3. J = THE TARGET ANALYTE DETECTED BELOW THE REPORTING LIMIT AND THE RESULT IS ESTIMATED.
4. MULTIPLE RESULTS (e.g., 1130/984) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
5. WELLS IDENTIFIED IN BLUE WITH NO DATA BOX INDICATE THE RESULTS DID NOT EXCEED SCREENING CRITERIA.
6. WELLS P-55R AND P-68 WERE NOT SAMPLED DURING 1Q16 DUE TO THE PRESENCE OF LNAPL.
7. GROUNDWATER PIEZOMETERS P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ AND ROST-21-PZ WERE NOT SAMPLED DURING 1Q16 DUE TO LACK OF WATER OR INSUFFICIENT AMOUNTS OF WATER TO ALLOW SAMPLING PER SOP.



Sample Location	ROST-4-PZ(C)
Sampled 1/15/16	Result (mg/L)
Benzene	0.059

Sample Location	T-12
Sampled 1/12/16	Result (mg/L)
Benzene	1.5
2-Methylnaphthalene	0.031

Sample Location	MW-22
Sampled 1/15/16	Result (mg/L)
Benzene	1.2 / 1.1
Ethylbenzene	2 / 1.9
Naphthalene	0.26 / 0.23
Toluene	1.8 / 1.7
1,3,5-Trimethylbenzene	0.21 / 0.19
2-Methylnaphthalene	0.038 / 0.033

Sample Location	P-59
Sampled 1/12/16	Result (mg/L)
Benzene	5.4
Ethylbenzene	1.1
Toluene	1.6
1,3,5-Trimethylbenzene	0.08

Sample Location	MW-12
Sampled 1/11/16	Result (mg/L)
Benzo(b)fluoranthene	0.00035

Sample Location	P-56
Sampled 1/11/16	Result (mg/L)
Benzene	0.03
bis(2-Ethylhexyl)phthalate	0.0089 J

Sample Location	MW-2
Sampled 1/14/16	Result (mg/L)
Benzene	0.018
1,3,5-Trimethylbenzene	0.072

Sample Location	P-93A	P-93B	P-93C	P-93D
Sampled 1/8, 1/12, 1/13/16	Result (mg/L)	Result (mg/L)	Result (mg/L)	Result (mg/L)
Benzene	430 / 450	280	0.04	14
Phenol	0.24 / 0.19			

Sample Location	MW-4
Sampled 1/13/16	Result (mg/L)
Benzene	0.12

Sample Location	P-57
Sampled 1/12/16	Result (mg/L)
Benzene	160
2-Methylnaphthalene	0.057
Phenol	0.21

Sample Location	MW-25
Sampled 1/14/16	Result (mg/L)
Benzene	2.2

Sample Location	MW-7
Sampled 1/14/16	Result (mg/L)
Benzene	740 / 700
Phenol	0.18 / 0.32

Sample Location	P-58
Sampled 1/13/16	Result (mg/L)
Benzene	510
2-Methylnaphthalene	0.083

Sample Location	MW-8
Sampled 1/14/16	Result (mg/L)
Benzene	300
Phenol	0.22

SCALE 0 200 FEET

N

SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 60477387

AECOM

DRN. BY: djd April 2016
DSGN. BY: lr
CHKD. BY: bbb

1Q16 Groundwater Monitoring Well Analytical Exceedances

FIG. NO. 5

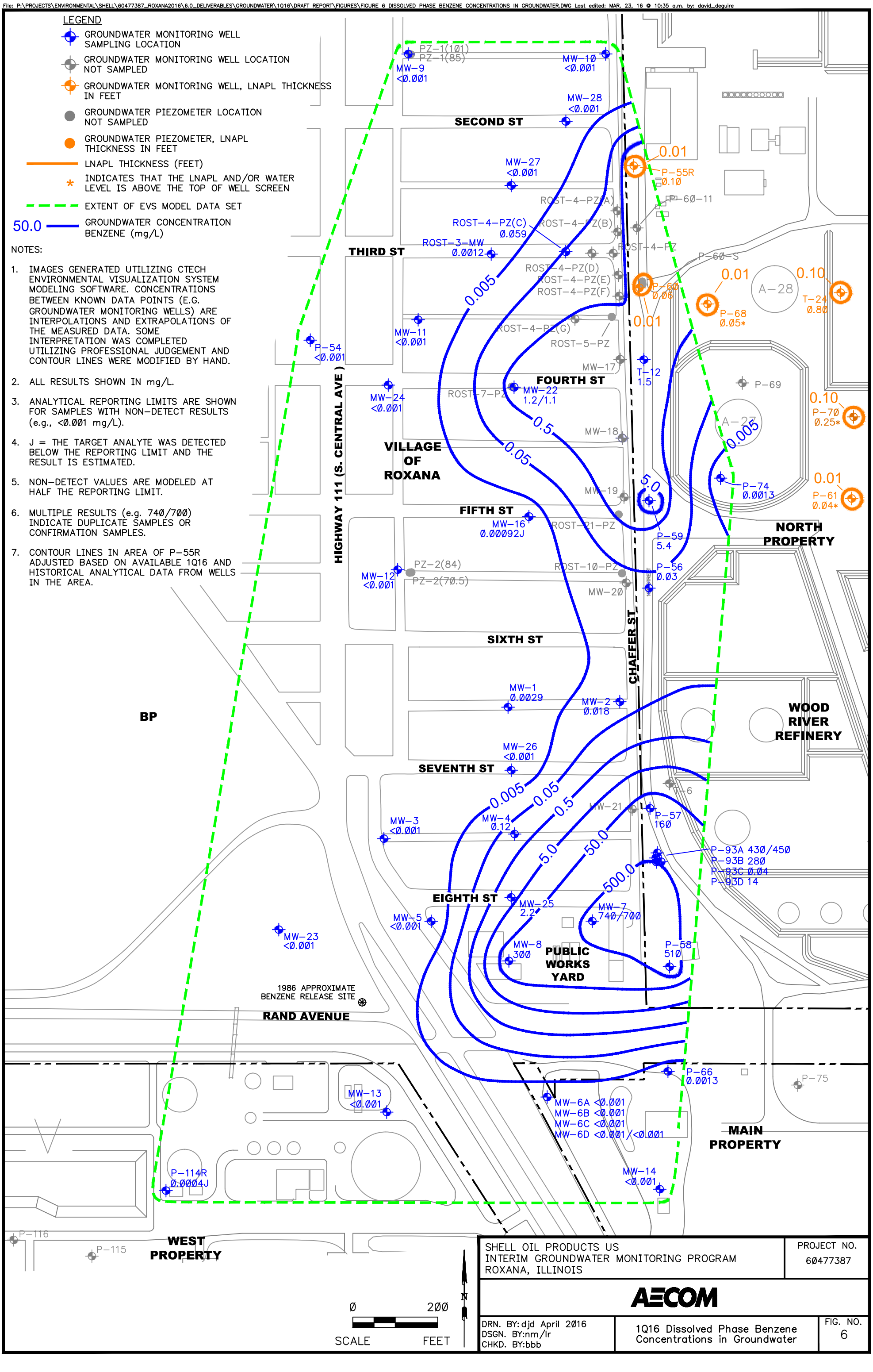
File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIGURE 6 DISSOLVED PHASE BENZENE CONCENTRATIONS IN GROUNDWATER.DWG Last edited: MAR. 23, 16 @ 10:35 a.m. by: david_deguire

LEGEND

- GROUNDWATER MONITORING WELL SAMPLING LOCATION
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER MONITORING WELL, LNAPL THICKNESS IN FEET
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER, LNAPL THICKNESS IN FEET
- LNAPL THICKNESS (FEET)
- * INDICATES THAT THE LNAPL AND/OR WATER LEVEL IS ABOVE THE TOP OF WELL SCREEN
- EXTENT OF EVS MODEL DATA SET
- 50.0 GROUNDWATER CONCENTRATION BENZENE (mg/L)

NOTES:

1. IMAGES GENERATED UTILIZING CTECH ENVIRONMENTAL VISUALIZATION SYSTEM MODELING SOFTWARE. CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. GROUNDWATER MONITORING WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF THE MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGEMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ALL RESULTS SHOWN IN mg/L.
3. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (e.g., <Ø.ØØ1 mg/L).
4. J = THE TARGET ANALYTE WAS DETECTED BELOW THE REPORTING LIMIT AND THE RESULT IS ESTIMATED.
5. NON-DETECT VALUES ARE MODELED AT HALF THE REPORTING LIMIT.
6. MULTIPLE RESULTS (e.g. 74Ø/7ØØ) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
7. CONTOUR LINES IN AREA OF P-55R ADJUSTED BASED ON AVAILABLE 1Q16 AND HISTORICAL ANALYTICAL DATA FROM WELLS IN THE AREA.



SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

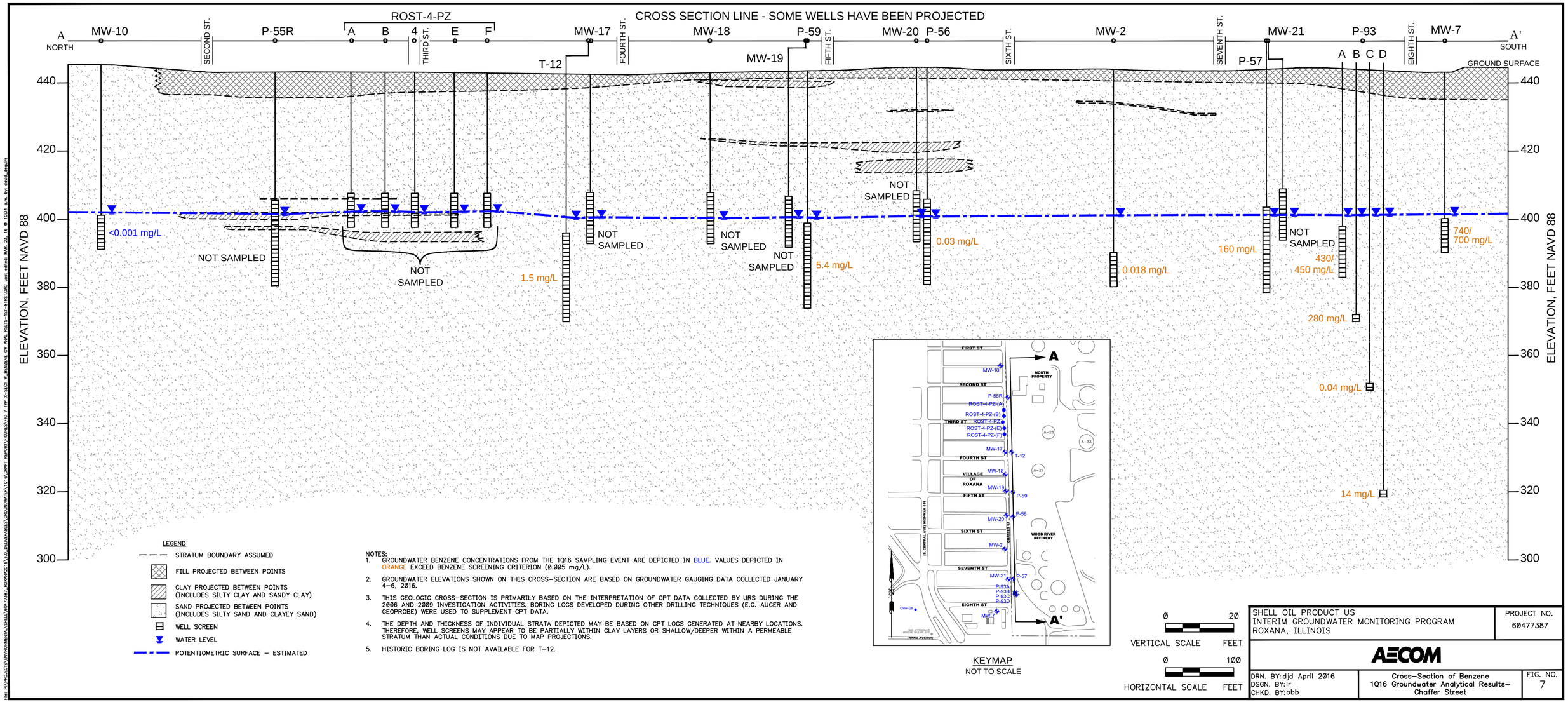
PROJECT NO. 6Ø477387

AECOM

DRN. BY: djd April 2Ø16
DSGN. BY:nm/lr
CHKD. BY:bbb

1Q16 Dissolved Phase Benzene Concentrations in Groundwater

FIG. NO. 6



LEGEND

- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- WELL SCREEN
- WATER LEVEL
- POTENTIOMETRIC SURFACE – ESTIMATED

NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 1Q16 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED JANUARY 4-6, 2016.
3. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA COLLECTED BY URS DURING THE 2006 AND 2009 INVESTIGATION ACTIVITIES. BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) WERE USED TO SUPPLEMENT CPT DATA.
4. THE DEPTH AND THICKNESS OF INDIVIDUAL STRATA DEPICTED MAY BE BASED ON CPT LOGS GENERATED AT NEARBY LOCATIONS. THEREFORE, WELL SCREENS MAY APPEAR TO BE PARTIALLY WITHIN CLAY LAYERS OR SHALLOW/DEEPER WITHIN A PERMEABLE STRATUM THAN ACTUAL CONDITIONS DUE TO MAP PROJECTIONS.
5. HISTORIC BORING LOG IS NOT AVAILABLE FOR T-12.

KEYMAP
NOT TO SCALE

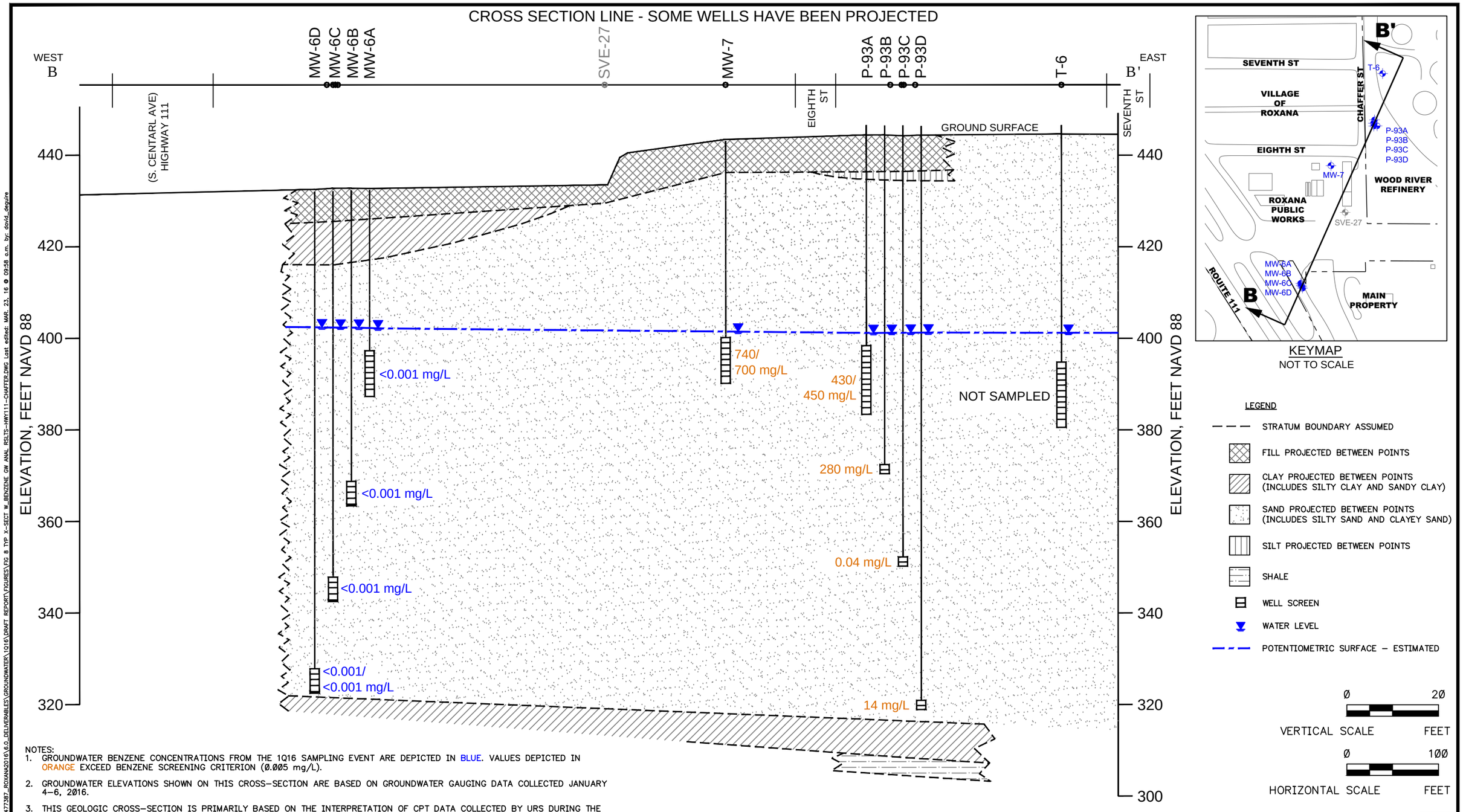
VERTICAL SCALE 0 20 FEET

HORIZONTAL SCALE 0 100 FEET

SHELL OIL PRODUCT US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60477387
AECOM		
DRN. BY: djd April 2016 DSGN. BY: lr CHKD. BY: bbb	Cross-Section of Benzene 1Q16 Groundwater Analytical Results- Chaffer Street	FIG. NO. 7

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\5.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIG 7 TYP X-SECT W_BENZENE_GW ANAL 1Q15-1ST-8THST.DWG Last edited: MAR 23, 16 @ 10:34 a.m. by: david.deguire

CROSS SECTION LINE - SOME WELLS HAVE BEEN PROJECTED



KEYMAP
NOT TO SCALE

LEGEND

- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- SILT PROJECTED BETWEEN POINTS
- SHALE
- WELL SCREEN
- WATER LEVEL
- POTENTIOMETRIC SURFACE – ESTIMATED

Ø 2Ø
VERTICAL SCALE FEET

Ø 1ØØ
HORIZONTAL SCALE FEET

NOTES:
1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 1Q16 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (Ø.ØØ5 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED JANUARY 4–6, 2Ø16.
3. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA COLLECTED BY URS DURING THE 2ØØ6 AND 2ØØ9 INVESTIGATION ACTIVITIES. BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) WERE USED TO SUPPLEMENT CPT DATA.
4. THE DEPTH AND THICKNESS OF INDIVIDUAL STRATA DEPICTED MAY BE BASED ON CPT LOGS GENERATED AT NEARBY LOCATIONS. THEREFORE, WELL SCREENS MAY APPEAR TO BE PARTIALLY WITHIN CLAY LAYERS OR SHALLOW/DEEPER WITHIN A PERMEABLE STRATUM THAN ACTUAL CONDITIONS DUE TO MAP PROJECTIONS.
5. LITHOLOGICAL INFORMATION FROM SVE-27 WAS OBTAINED FROM BORING LOG TO SUPPLEMENT SITE GEOLOGY ONLY.
6. HISTORIC BORING LOG IS NOT AVAILABLE FOR T-6.

SHELL OIL PRODUCT US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 6Ø477387
AECOM	
DRN. BY: djd April 2Ø16 DSGN. BY: lr CHKD. BY: wmp	Cross-Section of Benzene 1Q16 Groundwater Analytical Results– Roxana Public Works Yard
	FIG. NO. 8

File: P:\PROJECTS\ENVIRONMENTAL\SHELL\60477387_ROXANA2016\6.0_DELIVERABLES\GROUNDWATER\1Q16\DRAFT REPORT\FIGURES\FIG 8 TYP X-SECT W_BENZENE GW ANAL RSLTS-HWY111-CHAFFER.DWG Last edited: MAR. 23, 16 @ 09:58 a.m. by: david_deguire

Appendix A.
Data Review Forms and Laboratory Analytical Reports

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116100-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 1/26/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW23-ROX-010716	TB-ROX-010716-8260-A
TB-ROX-010716-8011-B	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that di-n-octyl phthalate was detected in the method blank. The SVOC LCS recovery for 4-bromophenyl phenyl ether and SVOC LCS/LCSD RPD for benzenethiol were outside evaluation criteria. SVOC surrogate recovery for 2-fluorophenol in sample MW23-ROX-010716 was outside evaluation criteria, and the surrogate recovery for terphenyl-d_{14} was outside criteria in matrix spike/matrix spike duplicate, MW23-ROX-010716 MS/MSD. Method 8260 VOC, Method 8011 VOC, and SVOC MS/MSD recoveries and RPDs were outside evaluation criteria in sample MW23-ROX-010716. These issues are addressed further in the appropriate sections below.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form indicated that one of four coolers was received by the laboratory at a temperature of 0.1°C, which is outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration/ Amount
MB 400-290095/1-A	SVOCs	Di-n-octyl phthalate	0.631 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD /RPD Criteria
LCS 400-290095/2-A	SVOCs	4-Bromophenyl phenyl ether	**58**	NA	62-132
LCS/LCSD 400-290095/3-A/4-A	SVOCs	Benzenethiol	74/51	**36**	20-150/30

Analytical data that required qualification based on LCS data are included in the table below. Analytical data associated with LCS/LCSD RPDs above evaluation criteria did not require qualification; LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-010716	SVOCs	4-Bromophenyl phenyl ether	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW23-ROX-010716	SVOCs	2-Fluorophenol	**5**	10-120
MW23-ROX-010716 MS	SVOCs	Terphenyl-d_{14}	**46**	53-125
MW23-ROX-010716 MSD	SVOCs	Terphenyl-d_{14}	**49**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six SVOC surrogate recoveries being outside evaluation criteria in sample MW23-ROX-010716. MW23-ROX-010716 MS/MSD is a quality control sample, and is not qualified. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, sample MW23-ROX-010716 was spiked and analyzed for Method 8260 VOCs, Method 8011 VOCs, SVOCs, and PAHs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW23-ROX-010716	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50
MW23-ROX-010716	SVOCs	3,3'-Dichlorobenzidine	**0/0**	**NC**	10-172/58
MW23-ROX-010716	VOCs by 8011	1,2-Dibromo-3-chloropropane	**190**/102	**63**	65-135/20

LCS/LCSD recoveries were within evaluation criteria; no further qualification of data was required.

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116100-1
TestAmerica SDG: Proj.60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn S. Hooper

Authorized for release by:
1/21/2016 10:18:36 AM

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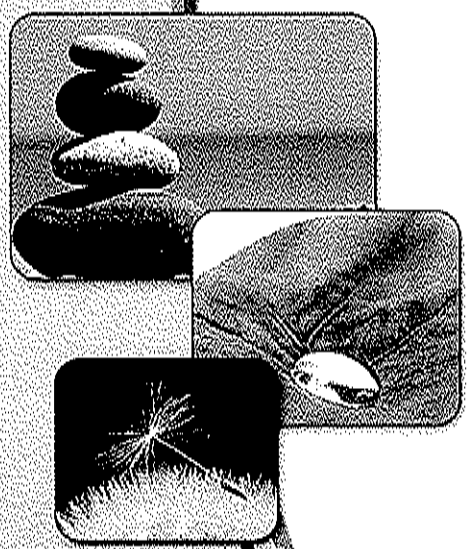

..... LINKS .....

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Reviewed 1/26/16 GH

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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Case Narrative

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Job ID: 400-116100-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116100-1

Receipt
The samples were received on 1/8/2016 10:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.1°C, 2.0°C, 2.4°C and 2.9°C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 290145 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The preservative (HCL) used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-23-ROX-010716 (400-116100-1) and TB-ROX-010716-8260-A (400-116100-2). The requested target analyte list includes 2-chloroethyl vinyl ether, acrolein, and acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

GC/MS Semi VOA
Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-23-ROX-010716 (400-116100-1). These results have been reported and qualified.

The method blank for preparation batch 400-290095 and analytical batch 400-290006 contained Di-n-octyl phthalate 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.

The following analyte recovered outside control limits for the LCS associated with preparation batch 400-290095 and analytical batch 400-290006: 4-Bromophenyl phenyl ether. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 290095 recovered outside control limits for the following analytes: Benzenethiol.

GC Semi VOA
Method 8011: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-290186 and analytical batch 400-290259 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116100-1	MW-23-ROX-010716	Water	01/07/16 10:25	01/08/16 10:36
400-116100-2	TB-ROX-010716-8260-A	Water	01/07/16 00:00	01/08/16 10:36
400-116100-3	TB-ROX-010716-8011-B	Water	01/07/16 00:00	01/08/16 10:36

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: MW-23-ROX-010716

Lab Sample ID: 400-116100-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J	25	10	ug/L	1		8260B	Total/NA
Pyrene	0.027	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.022	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

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Client Sample ID: TB-ROX-010716-8260-A

Lab Sample ID: 400-116100-2

No Detections.

Client Sample ID: TB-ROX-010716-8011-B

Lab Sample ID: 400-116100-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: MW-23-ROX-010716

Date Collected: 01/07/16 10:25
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	J	25	10	ug/L			01/12/16 10:31	1
Acrolein	ND		20	10	ug/L			01/12/16 10:31	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 10:31	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 10:31	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 10:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 10:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 10:31	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 10:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 10:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 10:31	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			01/12/16 10:31	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 10:31	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 10:31	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 10:31	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 10:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 10:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 10:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 10:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 10:31	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 10:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 10:31	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 10:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 10:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 10:31	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 10:31	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 10:31	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 10:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 10:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 10:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 10:31	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 10:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 10:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 10:31	1

Client Sample ID: MW-23-ROX-010716
Date Collected: 01/07/16 10:25
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 10:31	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 10:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 10:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 10:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 10:31	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 10:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 10:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 10:31	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:31	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 10:31	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 10:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 10:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 10:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 10:31	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 10:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 10:31	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/12/16 10:31*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/12/16 10:31*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/12/16 10:31*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:20	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:20	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:20	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/15/16 10:47	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 10:20	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:20	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:20	1
Pyrene	0.027	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:20	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:20	1
2-Methylnaphthalene	0.022	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*66*		*33 - 138*	*01/11/16 14:02*	*01/13/16 10:20*	*1*
2-Fluorobiphenyl	*102*		*15 - 122*	*01/11/16 14:02*	*01/13/16 10:20*	*1*

Client Sample ID: MW-23-ROX-010716
Date Collected: 01/07/16 10:25
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-1
Matrix: Water

6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		19 - 130	01/11/16 14:02	01/13/16 10:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 20:13	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 20:13	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 20:13	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 20:13	1
4-Bromophenyl phenyl ether	ND	* U5	10	0.32	ug/L		01/11/16 14:02	01/12/16 20:13	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 20:13	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 20:13	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 20:13	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 20:13	1
3,3'-Dichlorobenzidine	ND	F1	10	2.6	ug/L		01/11/16 14:02	01/12/16 20:13	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 20:13	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 20:13	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 20:13	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 20:13	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 20:13	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 20:13	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 20:13	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/12/16 20:13	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
Hexachlorobenzene	ND		10	0.26	ug/L		01/11/16 14:02	01/12/16 20:13	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 20:13	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 20:13	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 20:13	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 20:13	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 20:13	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 20:13	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 20:13	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 20:13	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 20:13	1

Client Sample ID: MW-23-ROX-010716
Date Collected: 01/07/16 10:25
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 20:13	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 20:13	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 20:13	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 20:13	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 20:13	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 20:13	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 20:13	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*34 - 120*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
2-Fluorophenol	*5*	X	*10 - 120*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
Nitrobenzene-d5	*66*		*27 - 120*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
Phenol-d5	*17*		*10 - 120*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
Terphenyl-d14	*54*		*53 - 125*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
2,4,6-Tribromophenol	*15*		*15 - 135*	*01/11/16 14:02*	*01/12/16 20:13*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	F1 F2	0.030	0.0054	ug/L		01/12/16 11:19	01/12/16 22:25	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/12/16 11:19	01/12/16 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*01/12/16 11:19*	*01/12/16 22:25*	*1*

Client Sample ID: TB-ROX-010716-8260-A

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 12:09	1
Acrolein	ND		20	10	ug/L			01/12/16 12:09	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 12:09	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 12:09	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 12:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 12:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 12:09	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 12:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 12:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 12:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 12:09	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 12:09	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 12:09	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 12:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 12:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 12:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 12:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 12:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 12:09	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 12:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 12:09	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 12:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 12:09	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 12:09	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 12:09	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 12:09	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 12:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 12:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 12:09	1
o-Xylene	ND		5.0	0.80	ug/L			01/12/16 12:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 12:09	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 12:09	1

Client Sample ID: TB-ROX-010716-8260-A

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 12:09	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 12:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 12:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 12:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 12:09	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 12:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 12:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 12:09	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:09	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 12:09	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 12:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 12:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 12:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 12:09	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 12:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 12:09	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*01/12/16 12:09*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/12/16 12:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/12/16 12:09*	*1*

Client Sample ID: TB-ROX-010716-8011-B

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-3

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/12/16 23:54	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/12/16 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*01/12/16 11:19*	*01/12/16 23:54*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116100-1	MW-23-ROX-010716	97	96	100
400-116100-1 MS	MW-23-ROX-010716	98	100	101
400-116100-1 MSD	MW-23-ROX-010716	97	98	101
400-116100-2	TB-ROX-010716-8260-A	96	95	98
LCS 400-290145/1002	Lab Control Sample	96	97	99
MB 400-290145/4	Method Blank	98	94	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116100-1	MW-23-ROX-010716	65	5 X	66	17	54	15
400-116100-1 MS	MW-23-ROX-010716	70	59	75	64	46 X	74
400-116100-1 MSD	MW-23-ROX-010716	81	68	83	73	49 X	94
LCS 400-290095/2-A	Lab Control Sample	59	54	64	63	59	65
LCS 400-290095/3-A	Lab Control Sample	91	80	95	89	86	91
LCSD 400-290095/4-A	Lab Control Sample Dup	87	73	92	84	79	83
MB 400-290095/1-A	Method Blank	67	58	70	67	58	63

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116100-1	MW-23-ROX-010716	66	102	61
400-116100-1 MS	MW-23-ROX-010716	54	86	84
400-116100-1 MSD	MW-23-ROX-010716	61	71	85
LCS 400-290095/2-A	Lab Control Sample	73	88	67
MB 400-290095/1-A	Method Blank	89	95	78

Surrogate Legend

TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-116100-1	MW-23-ROX-010716	100
400-116100-1 MS	MW-23-ROX-010716	99
400-116100-1 MSD	MW-23-ROX-010716	87
400-116100-3	TB-ROX-010716-8011-B	94
LCS 400-290186/2-A	Lab Control Sample	92
MB 400-290186/1-A	Method Blank	95

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: MW-23-ROX-010716

Date Collected: 01/07/16 10:25
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 10:31	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 20:13	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290291	01/13/16 10:20	CEP	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290584	01/15/16 10:47	CEP	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.5 mL	35 mL	290259	01/12/16 22:25	MAM	TAL PEN

Client Sample ID: TB-ROX-010716-8260-A

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 12:09	S1S	TAL PEN

Client Sample ID: TB-ROX-010716-8011-B

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.1 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.1 mL	35 mL	290259	01/12/16 23:54	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290095/2-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:58	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290141	01/12/16 20:47	CEP	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290095/3-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 17:37	AJR	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290145/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 09:02	S1S	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290186/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 21:55	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290095/4-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 18:16	AJR	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290095/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:19	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290141	01/12/16 20:13	CEP	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290145/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 10:06	S1S	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290186/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 21:26	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: MW-23-ROX-010716

Date Collected: 01/07/16 10:25
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-1 MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 10:56	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 18:55	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290141	01/12/16 21:22	CEP	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.9 mL	35 mL	290259	01/12/16 22:55	MAM	TAL PEN

Client Sample ID: MW-23-ROX-010716

Date Collected: 01/07/16 10:25
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116100-1 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 11:20	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 19:34	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290141	01/12/16 21:57	CEP	TAL PEN
Total/NA	Prep	8011			36.1 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	36.1 mL	35 mL	290259	01/12/16 23:24	MAM	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 290145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1	MW-23-ROX-010716	Total/NA	Water	8260B	
400-116100-1 MS	MW-23-ROX-010716	Total/NA	Water	8260B	
400-116100-1 MSD	MW-23-ROX-010716	Total/NA	Water	8260B	
400-116100-2	TB-ROX-010716-8260-A	Total/NA	Water	8260B	
LCS 400-290145/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290145/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 290006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1	MW-23-ROX-010716	Total/NA	Water	8270D	290095
400-116100-1 MS	MW-23-ROX-010716	Total/NA	Water	8270D	290095
400-116100-1 MSD	MW-23-ROX-010716	Total/NA	Water	8270D	290095
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D	290095
LCS 400-290095/3-A	Lab Control Sample	Total/NA	Water	8270D	290095
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D	290095

Prep Batch: 290095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1	MW-23-ROX-010716	Total/NA	Water	3520C	
400-116100-1 MS	MW-23-ROX-010716	Total/NA	Water	3520C	
400-116100-1 MSD	MW-23-ROX-010716	Total/NA	Water	3520C	
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-290095/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290095/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1 MS	MW-23-ROX-010716	Total/NA	Water	8270D LL	290095
400-116100-1 MSD	MW-23-ROX-010716	Total/NA	Water	8270D LL	290095
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D LL	290095

Analysis Batch: 290291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1	MW-23-ROX-010716	Total/NA	Water	8270D LL	290095

Analysis Batch: 290584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1	MW-23-ROX-010716	Total/NA	Water	8270D LL	290095

GC Semi VOA

Prep Batch: 290186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1	MW-23-ROX-010716	Total/NA	Water	8011	
400-116100-1 MS	MW-23-ROX-010716	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 290186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1 MSD	MW-23-ROX-010716	Total/NA	Water	8011	
400-116100-3	TB-ROX-010716-8011-B	Total/NA	Water	8011	
LCS 400-290186/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 400-290186/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 290259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116100-1	MW-23-ROX-010716	Total/NA	Water	8011	290186
400-116100-1 MS	MW-23-ROX-010716	Total/NA	Water	8011	290186
400-116100-1 MSD	MW-23-ROX-010716	Total/NA	Water	8011	290186
400-116100-3	TB-ROX-010716-8011-B	Total/NA	Water	8011	290186
LCS 400-290186/2-A	Lab Control Sample	Total/NA	Water	8011	290186
MB 400-290186/1-A	Method Blank	Total/NA	Water	8011	290186

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

Lab Sample ID: MB 400-290145/4
Matrix: Water
Analysis Batch: 290145

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 10:06	1
Acrolein	ND		20	10	ug/L			01/12/16 10:06	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 10:06	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 10:06	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 10:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 10:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 10:06	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 10:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 10:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 10:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 10:06	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 10:06	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 10:06	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 10:06	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 10:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 10:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 10:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 10:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 10:06	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 10:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 10:06	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 10:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 10:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 10:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 10:06	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 10:06	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 10:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 10:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 10:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 10:06	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 10:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 10:06	1

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

Lab Sample ID: MB 400-290145/4
Matrix: Water
Analysis Batch: 290145

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 10:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 10:06	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 10:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 10:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 10:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 10:06	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 10:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 10:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 10:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 10:06	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 10:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 10:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 10:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 10:06	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 10:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 10:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/12/16 10:06*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*01/12/16 10:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/12/16 10:06*	*1*

Lab Sample ID: LCS 400-290145/1002
Matrix: Water
Analysis Batch: 290145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	233		ug/L		117	43 - 160
Acrolein	500	564		ug/L		113	38 - 160
Acrylonitrile	500	489		ug/L		98	64 - 142
Benzene	50.0	46.5		ug/L		93	70 - 130
Bromobenzene	50.0	48.6		ug/L		97	70 - 132
Bromochloromethane	50.0	50.1		ug/L		100	70 - 130
Bromodichloromethane	50.0	45.5		ug/L		91	67 - 133
Bromoform	50.0	46.0		ug/L		92	57 - 140
Bromomethane	50.0	45.3		ug/L		91	10 - 160
2-Butanone (MEK)	200	194		ug/L		97	61 - 145
Carbon disulfide	50.0	42.3		ug/L		85	61 - 137
Carbon tetrachloride	50.0	47.2		ug/L		94	61 - 137
Chlorobenzene	50.0	48.2		ug/L		96	70 - 130
Dibromochloromethane	50.0	46.9		ug/L		94	67 - 135
Chloroethane	50.0	50.5		ug/L		101	55 - 141

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

Lab Sample ID: LCS 400-290145/1002
Matrix: Water
Analysis Batch: 290145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	41.0		ug/L		82	10 - 160
Chloroform	50.0	47.1		ug/L		94	69 - 130
1-Chlorohexane	50.0	50.0		ug/L		100	69 - 130
Chloromethane	50.0	43.5		ug/L		87	58 - 137
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	68 - 130
cis-1,3-Dichloropropene	50.0	45.7		ug/L		91	69 - 132
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	37.0		ug/L		74	41 - 146
1,1-Dichloroethane	50.0	46.5		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	49.2		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	47.0		ug/L		94	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	48.2		ug/L		96	70 - 130
2,2-Dichloropropane	50.0	43.4		ug/L		87	52 - 135
1,1-Dichloropropene	50.0	47.5		ug/L		95	70 - 130
Ethylbenzene	50.0	48.1		ug/L		96	70 - 130
Ethyl methacrylate	50.0	47.4		ug/L		95	68 - 130
Hexachlorobutadiene	50.0	49.2		ug/L		98	53 - 140
2-Hexanone	200	200		ug/L		100	65 - 137
Isopropylbenzene	50.0	48.2		ug/L		96	70 - 130
Methylene bromide	50.0	49.5		ug/L		99	70 - 130
Methylene Chloride	50.0	42.6		ug/L		85	66 - 135
4-Methyl-2-pentanone (MIBK)	200	200		ug/L		100	69 - 138
Methyl tert-butyl ether	50.0	45.0		ug/L		90	66 - 130
m-Xylene & p-Xylene	50.0	48.0		ug/L		96	70 - 130
Naphthalene	50.0	46.8		ug/L		94	47 - 149
n-Butylbenzene	50.0	50.2		ug/L		100	67 - 130
N-Propylbenzene	50.0	48.9		ug/L		98	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	47.5		ug/L		95	70 - 130
p-Chlorotoluene	50.0	48.0		ug/L		96	70 - 130
p-Isopropyltoluene	50.0	49.0		ug/L		98	65 - 130
sec-Butylbenzene	50.0	48.2		ug/L		96	66 - 130
Styrene	50.0	47.4		ug/L		95	70 - 130
tert-Butylbenzene	50.0	48.6		ug/L		97	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.4		ug/L		97	67 - 131
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/L		95	70 - 131
Tetrachloroethene	50.0	43.8		ug/L		88	65 - 130
Toluene	50.0	46.6		ug/L		93	70 - 130
trans-1,2-Dichloroethene	50.0	46.0		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	46.2		ug/L		92	63 - 130
1,2,3-Trichlorobenzene	50.0	47.9		ug/L		96	60 - 138
1,2,4-Trichlorobenzene	50.0	48.8		ug/L		98	60 - 140
1,1,1-Trichloroethane	50.0	47.1		ug/L		94	68 - 130
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	70 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 130

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

Lab Sample ID: LCS 400-290145/1002
Matrix: Water
Analysis Batch: 290145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	50.0	49.0		ug/L		98	65 - 138
1,2,3-Trichloropropane	50.0	49.3		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	50.0	48.3		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	47.8		ug/L		96	69 - 130
Vinyl acetate	100	107		ug/L		107	26 - 160
Vinyl chloride	50.0	44.7		ug/L		89	59 - 136
Xylenes, Total	100	95.5		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*78 - 118*
Dibromofluoromethane	*97*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290145

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	14	J	200	194		ug/L		90	43 - 160
Acrolein	ND		500	560		ug/L		112	38 - 160
Acrylonitrile	ND		500	426		ug/L		85	62 - 149
Benzene	ND		50.0	42.5		ug/L		85	56 - 142
Bromobenzene	ND		50.0	46.6		ug/L		93	59 - 136
Bromochloromethane	ND		50.0	45.8		ug/L		92	64 - 140
Bromodichloromethane	ND		50.0	40.6		ug/L		81	59 - 143
Bromoform	ND		50.0	42.0		ug/L		84	50 - 140
Bromomethane	ND		50.0	47.9		ug/L		96	10 - 160
2-Butanone (MEK)	ND		200	167		ug/L		84	55 - 150
Carbon disulfide	ND		50.0	39.2		ug/L		78	48 - 152
Carbon tetrachloride	ND		50.0	43.5		ug/L		87	55 - 145
Chlorobenzene	ND		50.0	43.9		ug/L		88	64 - 130
Dibromochloromethane	ND		50.0	42.4		ug/L		85	56 - 143
Chloroethane	ND		50.0	51.3		ug/L		103	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	43.4		ug/L		87	60 - 141
1-Chlorohexane	ND		50.0	46.0		ug/L		92	56 - 136
Chloromethane	ND		50.0	43.7		ug/L		87	49 - 148
cis-1,2-Dichloroethene	ND		50.0	43.2		ug/L		86	59 - 143
cis-1,3-Dichloropropene	ND		50.0	41.5		ug/L		83	57 - 140
1,2-Dichlorobenzene	ND		50.0	46.8		ug/L		94	52 - 137
1,3-Dichlorobenzene	ND		50.0	46.8		ug/L		94	54 - 135
1,4-Dichlorobenzene	ND		50.0	47.1		ug/L		94	53 - 135
Dichlorodifluoromethane	ND		50.0	38.4		ug/L		77	16 - 160
1,1-Dichloroethane	ND		50.0	43.1		ug/L		86	61 - 144
1,2-Dichloroethane	ND		50.0	45.2		ug/L		90	60 - 141
1,1-Dichloroethene	ND		50.0	43.4		ug/L		87	54 - 147
1,2-Dichloropropane	ND		50.0	43.7		ug/L		87	66 - 137
1,3-Dichloropropane	ND		50.0	43.0		ug/L		86	66 - 133

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

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290145

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		50.0	39.8		ug/L		80	42 - 144
1,1-Dichloropropene	ND		50.0	43.2		ug/L		86	65 - 136
Ethylbenzene	ND		50.0	44.4		ug/L		89	58 - 131
Ethyl methacrylate	ND		50.0	41.7		ug/L		83	64 - 130
Hexachlorobutadiene	ND		50.0	47.5		ug/L		95	31 - 149
2-Hexanone	ND		200	171		ug/L		86	65 - 140
Isopropylbenzene	ND		50.0	44.7		ug/L		89	56 - 133
Methylene bromide	ND		50.0	44.8		ug/L		90	63 - 138
Methylene Chloride	ND		50.0	38.9		ug/L		78	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	172		ug/L		86	63 - 146
Methyl tert-butyl ether	ND		50.0	40.5		ug/L		81	59 - 137
m-Xylene & p-Xylene	ND		50.0	44.5		ug/L		89	57 - 130
Naphthalene	ND		50.0	44.5		ug/L		89	25 - 160
n-Butylbenzene	ND		50.0	48.9		ug/L		98	41 - 142
N-Propylbenzene	ND		50.0	46.7		ug/L		93	51 - 138
o-Chlorotoluene	ND		50.0	47.5		ug/L		95	53 - 134
o-Xylene	ND		50.0	44.2		ug/L		88	61 - 130
p-Chlorotoluene	ND		50.0	45.7		ug/L		91	54 - 133
p-Isopropyltoluene	ND		50.0	47.2		ug/L		94	48 - 139
sec-Butylbenzene	ND		50.0	46.4		ug/L		93	50 - 138
Styrene	ND		50.0	43.7		ug/L		87	58 - 131
tert-Butylbenzene	ND		50.0	47.5		ug/L		95	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	43.8		ug/L		88	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	44.0		ug/L		88	66 - 135
Tetrachloroethene	ND		50.0	38.6		ug/L		77	52 - 133
Toluene	ND		50.0	43.6		ug/L		87	65 - 130
trans-1,2-Dichloroethene	ND		50.0	42.4		ug/L		85	61 - 143
trans-1,3-Dichloropropene	ND		50.0	41.5		ug/L		83	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	46.3		ug/L		93	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	46.5		ug/L		93	39 - 148
1,1,1-Trichloroethane	ND		50.0	43.3		ug/L		87	57 - 142
1,1,2-Trichloroethane	ND		50.0	43.5		ug/L		87	66 - 131
Trichloroethene	ND		50.0	43.7		ug/L		87	64 - 136
Trichlorofluoromethane	ND		50.0	50.4		ug/L		101	54 - 156
1,2,3-Trichloropropane	ND		50.0	45.3		ug/L		91	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	46.6		ug/L		93	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	46.1		ug/L		92	52 - 135
Vinyl acetate	ND		100	106		ug/L		106	26 - 160
Vinyl chloride	ND		50.0	46.0		ug/L		92	46 - 152
Xylenes, Total	ND		100	88.7		ug/L		89	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 400-116100-1 MSD
Matrix: Water
Analysis Batch: 290145

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	14	J	200	195		ug/L		90	43 - 160	1	30
Acrolein	ND		500	452		ug/L		90	38 - 160	21	31
Acrylonitrile	ND		500	447		ug/L		89	62 - 149	5	30
Benzene	ND		50.0	43.7		ug/L		87	56 - 142	3	30
Bromobenzene	ND		50.0	46.0		ug/L		92	59 - 136	1	30
Bromochloromethane	ND		50.0	46.7		ug/L		93	64 - 140	2	30
Bromodichloromethane	ND		50.0	42.2		ug/L		84	59 - 143	4	30
Bromoform	ND		50.0	42.2		ug/L		84	50 - 140	0	30
Bromomethane	ND		50.0	40.7		ug/L		81	10 - 160	16	50
2-Butanone (MEK)	ND		200	171		ug/L		86	55 - 150	2	30
Carbon disulfide	ND		50.0	40.7		ug/L		81	48 - 152	4	30
Carbon tetrachloride	ND		50.0	44.5		ug/L		89	55 - 145	2	30
Chlorobenzene	ND		50.0	44.1		ug/L		88	64 - 130	0	30
Dibromochloromethane	ND		50.0	42.9		ug/L		86	56 - 143	1	30
Chloroethane	ND		50.0	43.3		ug/L		87	50 - 151	17	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	45.2		ug/L		90	60 - 141	4	30
1-Chlorohexane	ND		50.0	44.5		ug/L		89	56 - 136	3	30
Chloromethane	ND		50.0	36.7		ug/L		73	49 - 148	18	31
cis-1,2-Dichloroethene	ND		50.0	44.8		ug/L		90	59 - 143	4	30
cis-1,3-Dichloropropene	ND		50.0	42.2		ug/L		84	57 - 140	2	30
1,2-Dichlorobenzene	ND		50.0	45.6		ug/L		91	52 - 137	3	30
1,3-Dichlorobenzene	ND		50.0	44.9		ug/L		90	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	45.3		ug/L		91	53 - 135	4	30
Dichlorodifluoromethane	ND		50.0	32.6		ug/L		65	16 - 160	16	31
1,1-Dichloroethane	ND		50.0	45.0		ug/L		90	61 - 144	4	30
1,2-Dichloroethane	ND		50.0	45.6		ug/L		91	60 - 141	1	30
1,1-Dichloroethene	ND		50.0	44.9		ug/L		90	54 - 147	3	30
1,2-Dichloropropane	ND		50.0	44.7		ug/L		89	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	44.0		ug/L		88	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	41.2		ug/L		82	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	44.5		ug/L		89	65 - 136	3	30
Ethylbenzene	ND		50.0	43.8		ug/L		88	58 - 131	1	30
Ethyl methacrylate	ND		50.0	42.7		ug/L		85	64 - 130	2	30
Hexachlorobutadiene	ND		50.0	42.8		ug/L		86	31 - 149	10	36
2-Hexanone	ND		200	174		ug/L		87	65 - 140	1	30
Isopropylbenzene	ND		50.0	43.5		ug/L		87	56 - 133	3	30
Methylene bromide	ND		50.0	45.7		ug/L		91	63 - 135	2	30
Methylene Chloride	ND		50.0	40.7		ug/L		81	60 - 146	5	32
4-Methyl-2-pentanone (MIBK)	ND		200	173		ug/L		87	63 - 146	1	30
Methyl tert-butyl ether	ND		50.0	42.1		ug/L		84	59 - 137	4	30
m-Xylene & p-Xylene	ND		50.0	43.7		ug/L		87	57 - 130	2	30
Naphthalene	ND		50.0	44.8		ug/L		90	25 - 160	1	30
n-Butylbenzene	ND		50.0	42.9		ug/L		86	41 - 142	13	31
N-Propylbenzene	ND		50.0	43.5		ug/L		87	51 - 138	7	30
o-Chlorotoluene	ND		50.0	43.9		ug/L		88	53 - 134	8	30
o-Xylene	ND		50.0	43.6		ug/L		87	61 - 130	1	30
p-Chlorotoluene	ND		50.0	44.1		ug/L		88	54 - 133	4	30

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

Lab Sample ID: 400-116100-1 MSD
Matrix: Water
Analysis Batch: 290145

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	43.9		ug/L		88	48 - 139	7	30
sec-Butylbenzene	ND		50.0	43.6		ug/L		87	50 - 138	6	30
Styrene	ND		50.0	43.3		ug/L		87	58 - 131	1	30
tert-Butylbenzene	ND		50.0	45.5		ug/L		91	54 - 146	4	30
1,1,1,2-Tetrachloroethane	ND		50.0	43.9		ug/L		88	59 - 137	0	30
1,1,2,2-Tetrachloroethane	ND		50.0	44.3		ug/L		89	66 - 135	1	30
Tetrachloroethene	ND		50.0	38.1		ug/L		76	52 - 133	1	30
Toluene	ND		50.0	43.8		ug/L		88	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	44.1		ug/L		88	61 - 143	4	30
trans-1,3-Dichloropropene	ND		50.0	42.3		ug/L		85	53 - 133	2	30
1,2,3-Trichlorobenzene	ND		50.0	45.4		ug/L		91	43 - 145	2	30
1,2,4-Trichlorobenzene	ND		50.0	45.5		ug/L		91	39 - 148	2	30
1,1,1-Trichloroethane	ND		50.0	44.1		ug/L		88	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	44.4		ug/L		89	66 - 131	2	30
Trichloroethene	ND		50.0	44.6		ug/L		89	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	41.6		ug/L		83	54 - 156	19	30
1,2,3-Trichloropropane	ND		50.0	46.2		ug/L		92	65 - 133	2	30
1,2,4-Trimethylbenzene	ND		50.0	44.6		ug/L		89	50 - 139	4	30
1,3,5-Trimethylbenzene	ND		50.0	44.2		ug/L		88	52 - 135	4	30
Vinyl acetate	ND		100	90.2		ug/L		90	26 - 160	16	33
Vinyl chloride	ND		50.0	38.3		ug/L		77	46 - 152	18	30
Xylenes, Total	ND		100	87.3		ug/L		87	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzenethiol	ND		10	1.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 16:19	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/11/16 14:02	01/12/16 16:19	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-octyl phthalate	0.631	J	10	0.44	ug/L		01/11/16 14:02	01/12/16 16:19	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2-Fluorophenol	*58*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Nitrobenzene-d5	*70*		*27 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Phenol-d5	*67*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Terphenyl-d14	*58*		*53 - 125*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2,4,6-Tribromophenol	*63*		*15 - 135*	*01/11/16 14:02*	*01/12/16 16:19*	*1*

QC Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	19.1		ug/L		64	10 - 145
Benzoic acid	127	32.8		ug/L		26	10 - 120
Benzyl alcohol	30.0	21.2		ug/L		71	51 - 121
Bis(2-chloroethoxy)methane	30.0	20.0		ug/L		67	54 - 123
Bis(2-chloroethyl)ether	30.0	19.4		ug/L		65	47 - 120
bis (2-chloroisopropyl) ether	30.0	19.5		ug/L		65	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	18.9		ug/L		63	62 - 140
4-Bromophenyl phenyl ether	30.0	17.3	*	ug/L		58	62 - 132
Butyl benzyl phthalate	30.0	19.2		ug/L		64	51 - 150
4-Chloroaniline	30.0	15.2		ug/L		51	32 - 128
4-Chloro-3-methylphenol	30.0	20.9		ug/L		70	47 - 135
2-Chloronaphthalene	30.0	18.7		ug/L		62	24 - 150
2-Chlorophenol	30.0	18.1		ug/L		60	45 - 120
4-Chlorophenyl phenyl ether	30.0	19.2		ug/L		64	61 - 133
Dibenz[a,h]acridine	30.0	22.0		ug/L		73	60 - 131
Dibenzofuran	30.0	20.1		ug/L		67	62 - 124
3,3'-Dichlorobenzidine	40.0	24.9		ug/L		62	16 - 167
2,4-Dichlorophenol	30.0	18.8		ug/L		63	52 - 125
Diethyl phthalate	30.0	20.9		ug/L		70	55 - 140
2,4-Dimethylphenol	30.0	19.7		ug/L		66	52 - 121
Dimethyl phthalate	30.0	19.3		ug/L		64	50 - 133
Di-n-butyl phthalate	30.0	21.1		ug/L		70	59 - 144
4,6-Dinitro-ortho-cresol	60.0	35.2		ug/L		59	46 - 136
2,4-Dinitrophenol	110	54.1		ug/L		49	22 - 146
2,4-Dinitrotoluene	30.0	22.2		ug/L		74	54 - 141
2,6-Dinitrotoluene	30.0	19.3		ug/L		64	61 - 130
Di-n-octyl phthalate	30.0	20.8		ug/L		69	55 - 140
1,4-Dioxane	30.0	15.1		ug/L		50	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.1		ug/L		67	55 - 139
Hexachlorobenzene	30.0	19.1		ug/L		64	60 - 138
Hexachlorocyclopentadiene	30.0	15.9	J	ug/L		53	1 - 139
Hexachloroethane	30.0	17.1		ug/L		57	46 - 121
Indene	30.0	17.5		ug/L		58	17 - 141
Isophorone	30.0	20.7		ug/L		69	57 - 122
2-Methylphenol	30.0	19.4		ug/L		65	38 - 121
3 & 4 Methylphenol	30.0	19.9	J	ug/L		66	43 - 126
2-Nitroaniline	30.0	20.8		ug/L		69	52 - 135
3-Nitroaniline	30.0	16.7		ug/L		56	51 - 128
4-Nitroaniline	30.0	20.7		ug/L		69	38 - 141
Nitrobenzene	30.0	19.2		ug/L		64	52 - 128
2-Nitrophenol	30.0	18.1		ug/L		60	47 - 129
4-Nitrophenol	60.0	32.3		ug/L		54	34 - 137
N-Nitrosodimethylamine	30.0	17.8		ug/L		59	21 - 134
N-Nitrosodi-n-propylamine	30.0	21.0		ug/L		70	41 - 143
N-Nitrosodiphenylamine	95.2	40.2		ug/L		42	10 - 185
Pentachlorophenol	60.0	35.3		ug/L		59	38 - 138
Phenol	30.0	19.0		ug/L		63	37 - 120
Pyridine	30.0	16.7		ug/L		56	10 - 127
Quinoline	30.0	19.7		ug/L		66	10 - 164

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	30.0	19.4		ug/L		65	53 - 130
2,4,6-Trichlorophenol	30.0	18.4		ug/L		61	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*54*		*10 - 120*
Nitrobenzene-d5	*64*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*59*		*53 - 125*
2,4,6-Tribromophenol	*65*		*15 - 135*

Lab Sample ID: LCS 400-290095/3-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	22.1		ug/L		74	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*34 - 120*
2-Fluorophenol	*80*		*10 - 120*
Nitrobenzene-d5	*95*		*27 - 120*
Phenol-d5	*89*		*10 - 120*
Terphenyl-d14	*86*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Lab Sample ID: LCSD 400-290095/4-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	15.4	*	ug/L		51	20 - 150	36	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*73*		*10 - 120*
Nitrobenzene-d5	*92*		*27 - 120*
Phenol-d5	*84*		*10 - 120*
Terphenyl-d14	*79*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290006

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		30.0	17.5		ug/L		58	10 - 143

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290006

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzoic acid	ND		127	81.6		ug/L		64	10 - 134
Benzyl alcohol	ND		30.0	22.7		ug/L		76	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	22.9		ug/L		76	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	23.7		ug/L		79	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	22.0		ug/L		73	10 - 141
Bis(2-ethylhexyl) phthalate	ND		30.0	19.8		ug/L		66	43 - 160
4-Bromophenyl phenyl ether	ND	*	30.0	19.8		ug/L		66	26 - 159
Butyl benzyl phthalate	ND		30.0	18.9		ug/L		63	43 - 151
4-Chloroaniline	ND		30.0	9.59	J	ug/L		32	10 - 152
4-Chloro-3-methylphenol	ND		30.0	20.9		ug/L		70	17 - 156
2-Chloronaphthalene	ND		30.0	22.1		ug/L		74	10 - 155
2-Chlorophenol	ND		30.0	19.4		ug/L		65	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	21.6		ug/L		72	25 - 161
Dibenz[a,h]acridine	ND		30.0	22.1		ug/L		74	42 - 147
Dibenzofuran	ND		30.0	22.9		ug/L		76	18 - 157
3,3'-Dichlorobenzidine	ND	F1	40.0	ND	F1	ug/L		0	10 - 172
2,4-Dichlorophenol	ND		30.0	19.6		ug/L		65	16 - 147
Diethyl phthalate	ND		30.0	21.4		ug/L		71	23 - 160
2,4-Dimethylphenol	ND		30.0	21.1		ug/L		70	25 - 148
Dimethyl phthalate	ND		30.0	19.8		ug/L		66	11 - 158
Di-n-butyl phthalate	ND		30.0	21.1		ug/L		70	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	43.7		ug/L		73	10 - 168
2,4-Dinitrophenol	ND		110	73.4		ug/L		67	10 - 166
2,4-Dinitrotoluene	ND		30.0	24.7		ug/L		82	26 - 158
2,6-Dinitrotoluene	ND		30.0	21.7		ug/L		72	19 - 157
Di-n-octyl phthalate	ND		30.0	20.9		ug/L		70	42 - 150
1,4-Dioxane	ND		30.0	16.6		ug/L		55	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	23.3		ug/L		78	19 - 162
Hexachlorobenzene	ND		30.0	20.7		ug/L		69	45 - 145
Hexachlorocyclopentadiene	ND		30.0	11.6	J	ug/L		39	10 - 151
Hexachloroethane	ND		30.0	18.0		ug/L		60	29 - 130
Indene	ND		30.0	20.0		ug/L		67	22 - 130
Isophorone	ND		30.0	22.7		ug/L		76	24 - 144
2-Methylphenol	ND		30.0	21.9		ug/L		73	22 - 130
3 & 4 Methylphenol	ND		30.0	20.6		ug/L		69	31 - 130
2-Nitroaniline	ND		30.0	22.8		ug/L		76	10 - 162
3-Nitroaniline	ND		30.0	12.5		ug/L		42	10 - 163
4-Nitroaniline	ND		30.0	19.1		ug/L		64	10 - 162
Nitrobenzene	ND		30.0	21.8		ug/L		73	34 - 135
2-Nitrophenol	ND		30.0	20.2		ug/L		67	27 - 134
4-Nitrophenol	ND		60.0	34.9		ug/L		58	10 - 175
N-Nitrosodimethylamine	ND		30.0	20.0		ug/L		67	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	23.9		ug/L		80	13 - 147
N-Nitrosodiphenylamine	ND		95.2	46.0		ug/L		48	31 - 150
Pentachlorophenol	ND		60.0	44.6		ug/L		74	10 - 180
Phenol	ND		30.0	18.5		ug/L		62	23 - 130
Pyridine	ND		30.0	15.6		ug/L		52	10 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290006

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	ND		30.0	19.3		ug/L		64	10 - 180
2,4,5-Trichlorophenol	ND		30.0	20.9		ug/L		70	43 - 137
2,4,6-Trichlorophenol	ND		30.0	20.0		ug/L		67	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*75*		*27 - 120*
Phenol-d5	*64*		*10 - 120*
Terphenyl-d14	*46*	*X*	*53 - 125*
2,4,6-Tribromophenol	*74*		*15 - 135*

Lab Sample ID: 400-116100-1 MSD
Matrix: Water
Analysis Batch: 290006

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		30.0	20.4		ug/L		68	10 - 143	15	63
Benzoic acid	ND		127	95.0		ug/L		75	10 - 134	15	49
Benzyl alcohol	ND		30.0	29.1		ug/L		97	10 - 154	25	37
Bis(2-chloroethoxy)methane	ND		30.0	26.3		ug/L		88	14 - 147	14	70
Bis(2-chloroethyl)ether	ND		30.0	27.5		ug/L		92	28 - 130	15	42
bis (2-chloroisopropyl) ether	ND		30.0	25.9		ug/L		86	10 - 141	16	41
Bis(2-ethylhexyl) phthalate	ND		30.0	23.0		ug/L		77	43 - 160	15	35
4-Bromophenyl phenyl ether	ND	*	30.0	21.8		ug/L		73	26 - 159	10	30
Butyl benzyl phthalate	ND		30.0	21.4		ug/L		71	43 - 151	12	32
4-Chloroaniline	ND		30.0	13.5		ug/L		45	10 - 152	34	94
4-Chloro-3-methylphenol	ND		30.0	25.3		ug/L		84	17 - 156	19	40
2-Chloronaphthalene	ND		30.0	26.0		ug/L		87	10 - 155	16	29
2-Chlorophenol	ND		30.0	23.4		ug/L		78	19 - 130	19	42
4-Chlorophenyl phenyl ether	ND		30.0	25.7		ug/L		86	25 - 161	17	27
Dibenz[a,h]acridine	ND		30.0	26.4		ug/L		88	42 - 147	18	40
Dibenzofuran	ND		30.0	27.2		ug/L		91	18 - 157	17	29
3,3'-Dichlorobenzidine	ND	F1	40.0	ND	F1	ug/L		0	10 - 172	NC	58
2,4-Dichlorophenol	ND		30.0	23.1		ug/L		77	16 - 147	16	43
Diethyl phthalate	ND		30.0	26.3		ug/L		88	23 - 160	21	40
2,4-Dimethylphenol	ND		30.0	24.7		ug/L		82	25 - 146	16	47
Dimethyl phthalate	ND		30.0	24.6		ug/L		82	11 - 158	22	36
Di-n-butyl phthalate	ND		30.0	26.4		ug/L		88	28 - 162	22	32
4,6-Dinitro-ortho-cresol	ND		60.0	54.6		ug/L		91	10 - 168	22	42
2,4-Dinitrophenol	ND		110	101		ug/L		92	10 - 166	32	36
2,4-Dinitrotoluene	ND		30.0	30.3		ug/L		101	26 - 158	21	28
2,6-Dinitrotoluene	ND		30.0	25.8		ug/L		86	19 - 157	17	28
Di-n-octyl phthalate	ND		30.0	24.5		ug/L		82	42 - 150	16	35
1,4-Dioxane	ND		30.0	18.1		ug/L		60	10 - 130	9	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	26.1		ug/L		87	19 - 162	11	40
Hexachlorobenzene	ND		30.0	23.1		ug/L		77	45 - 145	11	33

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116100-1 MSD
Matrix: Water
Analysis Batch: 290006

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene	ND		30.0	14.3	J	ug/L		48	10 - 151	21	50
Hexachloroethane	ND		30.0	22.4		ug/L		75	29 - 130	22	41
Indene	ND		30.0	23.3		ug/L		78	22 - 130	16	40
Isophorone	ND		30.0	26.3		ug/L		88	24 - 144	14	33
2-Methylphenol	ND		30.0	25.4		ug/L		85	22 - 130	15	47
3 & 4 Methylphenol	ND		30.0	25.4		ug/L		85	31 - 130	21	47
2-Nitroaniline	ND		30.0	27.7		ug/L		92	10 - 162	19	33
3-Nitroaniline	ND		30.0	18.2		ug/L		61	10 - 163	37	39
4-Nitroaniline	ND		30.0	25.1		ug/L		84	10 - 162	27	50
Nitrobenzene	ND		30.0	25.2		ug/L		84	34 - 135	14	35
2-Nitrophenol	ND		30.0	23.7		ug/L		79	27 - 134	16	43
4-Nitrophenol	ND		60.0	55.3		ug/L		92	10 - 175	45	82
N-Nitrosodimethylamine	ND		30.0	22.4		ug/L		75	10 - 139	11	62
N-Nitrosodi-n-propylamine	ND		30.0	28.5		ug/L		95	13 - 147	18	36
N-Nitrosodiphenylamine	ND		95.2	52.8		ug/L		55	31 - 150	14	34
Pentachlorophenol	ND		60.0	55.9		ug/L		93	10 - 180	22	42
Phenol	ND		30.0	22.8		ug/L		76	23 - 130	21	52
Pyridine	ND		30.0	16.4		ug/L		55	10 - 130	5	55
Quinoline	ND		30.0	21.9		ug/L		73	10 - 180	12	40
2,4,5-Trichlorophenol	ND		30.0	25.8		ug/L		86	43 - 137	21	42
2,4,6-Trichlorophenol	ND		30.0	25.2		ug/L		84	42 - 135	23	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*34 - 120*
2-Fluorophenol	*68*		*10 - 120*
Nitrobenzene-d5	*83*		*27 - 120*
Phenol-d5	*73*		*10 - 120*
Terphenyl-d14	*49*	*X*	*53 - 125*
2,4,6-Tribromophenol	*94*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/12/16 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*89*		*33 - 138*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
2-Fluorobiphenyl	*95*		*15 - 122*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
Nitrobenzene-d5	*78*		*19 - 130*	*01/11/16 14:02*	*01/12/16 20:13*	*1*

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	21.8		ug/L		73	41 - 120
Acenaphthylene	30.0	22.2		ug/L		74	44 - 120
Anthracene	30.0	21.0		ug/L		70	49 - 120
Benzo[a]anthracene	30.0	20.2		ug/L		67	61 - 135
Benzo[a]pyrene	30.0	23.0		ug/L		77	52 - 120
Benzo[b]fluoranthene	30.0	23.3		ug/L		78	53 - 134
Benzo[g,h,i]perylene	30.0	19.0		ug/L		63	47 - 133
Benzo[k]fluoranthene	30.0	25.5		ug/L		85	57 - 134
Chrysene	30.0	22.5		ug/L		75	55 - 122
Dibenz(a,h)anthracene	30.0	21.4		ug/L		71	48 - 146
Fluoranthene	30.0	20.8		ug/L		69	54 - 128
Fluorene	30.0	23.6		ug/L		79	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	19.9		ug/L		66	43 - 142
Phenanthrene	30.0	20.6		ug/L		69	48 - 120
Pyrene	30.0	21.4		ug/L		71	48 - 132
1-Methylnaphthalene	30.0	22.6		ug/L		75	41 - 120
2-Methylnaphthalene	30.0	22.6		ug/L		75	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*73*		*33 - 138*
2-Fluorobiphenyl	*68*		*15 - 122*
Nitrobenzene-d5	*67*		*19 - 130*

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290141

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		30.0	25.6		ug/L		85	35 - 113
Acenaphthylene	ND		30.0	26.3		ug/L		88	41 - 118
Anthracene	0.084	J	30.0	25.3		ug/L		84	45 - 122

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290141

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		30.0	22.3		ug/L		74	55 - 133
Benzo[a]pyrene	ND		30.0	23.6		ug/L		79	50 - 108
Benzo[b]fluoranthene	ND		30.0	24.8		ug/L		83	50 - 128
Benzo[g,h,i]perylene	ND		30.0	23.2		ug/L		77	46 - 133
Benzo[k]fluoranthene	ND		30.0	24.6		ug/L		82	52 - 128
Chrysene	ND		30.0	24.5		ug/L		82	52 - 116
Dibenz(a,h)anthracene	ND		30.0	25.0		ug/L		83	52 - 143
Fluoranthene	ND		30.0	24.6		ug/L		82	32 - 150
Fluorene	ND		30.0	23.3		ug/L		78	15 - 150
Indeno[1,2,3-cd]pyrene	ND		30.0	23.4		ug/L		78	41 - 141
Phenanthrene	ND		30.0	24.9		ug/L		83	36 - 125
Pyrene	0.024	J	30.0	23.1		ug/L		77	41 - 127
1-Methylnaphthalene	ND		30.0	26.7		ug/L		89	10 - 150
2-Methylnaphthalene	0.020	J	30.0	26.7		ug/L		89	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*54*		*33 - 138*
2-Fluorobiphenyl	*86*		*15 - 122*
Nitrobenzene-d5	*84*		*19 - 130*

Lab Sample ID: 400-116100-1 MSD
Matrix: Water
Analysis Batch: 290141

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		30.0	24.9		ug/L		83	35 - 113	3	49
Acenaphthylene	ND		30.0	24.3		ug/L		81	41 - 118	8	48
Anthracene	0.084	J	30.0	24.7		ug/L		82	45 - 122	3	56
Benzo[a]anthracene	ND		30.0	22.1		ug/L		74	55 - 133	1	57
Benzo[a]pyrene	ND		30.0	21.6		ug/L		72	50 - 108	9	59
Benzo[b]fluoranthene	ND		30.0	22.3		ug/L		74	50 - 128	11	62
Benzo[g,h,i]perylene	ND		30.0	20.8		ug/L		69	46 - 133	11	58
Benzo[k]fluoranthene	ND		30.0	24.5		ug/L		82	52 - 128	0	58
Chrysene	ND		30.0	23.3		ug/L		78	52 - 116	5	59
Dibenz(a,h)anthracene	ND		30.0	22.6		ug/L		75	52 - 143	10	60
Fluoranthene	ND		30.0	23.0		ug/L		77	32 - 150	7	59
Fluorene	ND		30.0	26.8		ug/L		89	15 - 150	14	49
Indeno[1,2,3-cd]pyrene	ND		30.0	21.3		ug/L		71	41 - 141	9	58
Phenanthrene	ND		30.0	24.0		ug/L		80	36 - 125	4	69
Pyrene	0.024	J	30.0	27.3		ug/L		91	41 - 127	17	58
1-Methylnaphthalene	ND		30.0	28.1		ug/L		94	10 - 150	5	66
2-Methylnaphthalene	0.020	J	30.0	27.5		ug/L		92	10 - 150	3	68

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*61*		*33 - 138*
2-Fluorobiphenyl	*71*		*15 - 122*
Nitrobenzene-d5	*85*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290186/1-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/12/16 21:26	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/12/16 21:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*01/12/16 11:19*	*01/12/16 21:26*	*1*

Lab Sample ID: LCS 400-290186/2-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0812		ug/L		81	60 - 140
1,2-Dibromoethane	0.100	0.0955		ug/L		95	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*51 - 149*

Lab Sample ID: 400-116100-1 MS
Matrix: Water
Analysis Batch: 290259

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290186

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND	F1 F2	0.100	0.190	F1	ug/L		190	65 - 135
1,2-Dibromoethane	ND		0.100	0.110		ug/L		110	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*51 - 149*

Lab Sample ID: 400-116100-1 MSD
Matrix: Water
Analysis Batch: 290259

Client Sample ID: MW-23-ROX-010716
Prep Type: Total/NA
Prep Batch: 290186

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND	F1 F2	0.0970	0.0994	F2	ug/L		102	65 - 135	63	20
1,2-Dibromoethane	ND		0.0970	0.112		ug/L		115	65 - 135	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*51 - 149*

BP-Well

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
- ☐ SSW PDG
- ☐ PIPELINE
- ☐ RETAIL
- ☐ CHEMICALS
- ☐ CONSULTANT
- ☐ LUBES
- ☐ TRANSPORTATION
- ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name: Bob Billman

PO #: 60477387 - 1.03.001/1.030011

PlaNet Site or Project ID: 25278

GSAP Project ID: USPC00114/R02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1-7-16

PAGE: 1 of 1

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011

ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110

EDF DELIVERABLE TO (Name, Company, Office Location):

PHONE NO.:

E-MAIL:

AECOM Global ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow

SAMPLER NAME(S) (Print): S. F. Shei, B. Koca, D. Haxel

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ UA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
- Please include "J" values on Reports
- Please provide sample receipt upon login
- Please run preserved and unpreserved 8260 VOCs concurrently

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE EDD/ DISK

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0011

NON-UNIT COST 60477387 - 1.03.001

400-115190 CCC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8011	PAH 8270LL	VOC 8260	SVOC 8270
	MW23-ROX-010716	1-7-16	1025	water	4			3		7	X	X	X	X
	MW23-ROX-010716-MS	"	1025	"	4			3		7	X	X	X	X
	MW23-ROX-010716-MSD	"	1025	"	4			3		7	X	X	X	X
	TB-ROX-010716-8260-A	↓	0000	↓	2					2			X	
	TB-ROX-010716-8011-B	↓	0000	↓	2					2	X			

7 JAN 2016

	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		Fed Ex 8092 2040 8020	7 JAN. 2016	17:30
	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
			1-8-16	1036

Version: 14Dec15

29°C 24°C
0.1°C 20°C

Custody seals: Test America ID-6

184077 523259
526916 523258
523260 523257

1/7/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116100-1
SDG Number: Proj.60477387-1.03.001/1.03.0011

Login Number: 116100
List Number: 1
Creator: Hooper, Carolyn D

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9°C, 2.4°C, 0.1°C, 2.0°C IR-6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116100-1
SDG Number: Proj.60477387-1.03.001/1.03.0011

Login Number: 116100
List Number: 2
Creator: Hooper, Carolyn D

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116100-1
SDG: Proj.60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116104-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 1/26/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
TB-ROX-010716-8260	TB-ROX-010716-8011
P114R-ROX-010716-EB	P114R-ROX-010716
MW3-ROX-010716	MW26-ROX-010716
MW13-ROX-010716	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that di-n-octyl phthalate was detected in the method blank. The SVOC LCS recovery for 4-bromophenyl phenyl ether and SVOC LCS/LCSD RPD for benzenethiol were outside evaluation criteria. The surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. These issues are addressed further in the appropriate sections below.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form indicated that one of four coolers was received by the laboratory at a temperature of 0.1°C, which is outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration/ Amount
MB 400-290095/1-A	SVOCs	Di-n-octyl phthalate	0.631 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times

(5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD /RPD Criteria
LCS 400-290095/2-A	SVOCs	4-Bromophenyl phenyl ether	**58**	NA	62-132
LCS/LCSD 400-290095/3-A/4-A	SVOCs	Benzenethiol	74/51	**36**	20-150/30

Analytical data that required qualification based on LCS data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPDs above evaluation criteria did not require qualification; LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
P114R-ROX-010716	SVOCs	4-Bromophenyl phenyl ether	**UJ**
MW3-ROX-010716	SVOCs	4-Bromophenyl phenyl ether	**UJ**
MW26-ROX-010716	SVOCs	4-Bromophenyl phenyl ether	**UJ**
MW13-ROX-010716	SVOCs	4-Bromophenyl phenyl ether	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P114R-ROX-010716	SVOCs	Terphenyl-d_{14}	**50**	53-125
MW3-ROX-010716	SVOCs	Terphenyl-d_{14}	**49**	53-125
MW26-ROX-010716	SVOCs	Terphenyl-d_{14}	**37**	53-125
MW13-ROX-010716	SVOCs	Terphenyl-d_{14}	**42**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six SVOC surrogate recoveries being outside evaluation criteria each sample. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

No

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116104-1
TestAmerica SDG: Proj.60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
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Authorized for release by:
1/21/2016 10:52:54 AM

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Reviewed 1/26/16

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

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Job ID: 400-116104-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116104-1

Receipt
The samples were received on 1/8/2016 10:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.1°C, 2.0°C, 2.4°C and 2.9°C.

GC/MS VOA
Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-010716-8260 (400-116104-1), P114R-ROX-010716-EB (400-116104-3), P114R-ROX-010716 (400-116104-4), MW3-ROX-010716 (400-116104-5), MW26-ROX-010716 (400-116104-6) and MW13-ROX-010716 (400-116104-7). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The RPD for the MS/MSD for 2-chloroethylvinyl ether was not calculable for batch 290135 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 290135 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

GC/MS Semi VOA
Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: P114R-ROX-010716 (400-116104-4) and MW3-ROX-010716 (400-116104-5). These results have been reported and qualified.

The method blank for preparation batch 400-290095 and analytical batch 400-290006 contained Di-n-octyl phthalate 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.

The following analyte recovered outside control limits for the LCS associated with preparation batch 400-290095 and analytical batch 400-290006: 4-Bromophenyl phenyl ether. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 290095 recovered outside control limits for the following analytes: Benzenethiol.

Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW26-ROX-010716 (400-116104-6) and MW13-ROX-010716 (400-116104-7). These results have been reported and qualified.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116104-1	TB-ROX-010716-8260	Water	01/07/16 00:00	01/08/16 10:36
400-116104-2	TB-ROX-010716-8011	Water	01/07/16 00:00	01/08/16 10:36
400-116104-3	P114R-ROX-010716-EB	Water	01/07/16 11:30	01/08/16 10:36
400-116104-4	P114R-ROX-010716	Water	01/07/16 13:10	01/08/16 10:36
400-116104-5	MW3-ROX-010716	Water	01/07/16 13:50	01/08/16 10:36
400-116104-6	MW26-ROX-010716	Water	01/07/16 14:50	01/08/16 10:36
400-116104-7	MW13-ROX-010716	Water	01/07/16 15:30	01/08/16 10:36

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010716-8260

Lab Sample ID: 400-116104-1

No Detections.

Client Sample ID: TB-ROX-010716-8011

Lab Sample ID: 400-116104-2

No Detections.

Client Sample ID: P114R-ROX-010716-EB

Lab Sample ID: 400-116104-3

No Detections.

Client Sample ID: P114R-ROX-010716

Lab Sample ID: 400-116104-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.40	J	1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	0.91	J	1.0	0.74	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.081	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.095	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW3-ROX-010716

Lab Sample ID: 400-116104-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	8.0		1.0	0.74	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.53		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.45		0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW26-ROX-010716

Lab Sample ID: 400-116104-6

No Detections.

Client Sample ID: MW13-ROX-010716

Lab Sample ID: 400-116104-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19	J	25	10	ug/L	1		8260B	Total/NA
Ethylbenzene	2.1		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	8.0		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	13		1.0	0.74	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	59		5.0	1.6	ug/L	1		8260B	Total/NA
N-Propylbenzene	11		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	3.8	J	5.0	0.60	ug/L	1		8260B	Total/NA
Toluene	33		1.0	0.70	ug/L	1		8260B	Total/NA
Xylenes, Total	63		5.0	0.60	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.21		0.20	0.020	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010716-8260
Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 15:41	1
Acrolein	ND		20	10	ug/L			01/12/16 15:41	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 15:41	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 15:41	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 15:41	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 15:41	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 15:41	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 15:41	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 15:41	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 15:41	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 15:41	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 15:41	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 15:41	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 15:41	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 15:41	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 15:41	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 15:41	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 15:41	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 15:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 15:41	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 15:41	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 15:41	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 15:41	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 15:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 15:41	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 15:41	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 15:41	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 15:41	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 15:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 15:41	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 15:41	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 15:41	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 15:41	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 15:41	1

Client Sample ID: TB-ROX-010716-8260
Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 15:41	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 15:41	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 15:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 15:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 15:41	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 15:41	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 15:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 15:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 15:41	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 15:41	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 15:41	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 15:41	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 15:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 15:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 15:41	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 15:41	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 15:41	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*78 - 118*		*01/12/16 15:41*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/12/16 15:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 15:41*	*1*

Client Sample ID: TB-ROX-010716-8011

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-2

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/13/16 00:24	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/13/16 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*132*		*51 - 149*	*01/12/16 11:19*	*01/13/16 00:24*	*1*

Client Sample ID: P114R-ROX-010716-EB

Date Collected: 01/07/16 11:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 16:07	1
Acrolein	ND		20	10	ug/L			01/12/16 16:07	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 16:07	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 16:07	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 16:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 16:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 16:07	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 16:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 16:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 16:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 16:07	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 16:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 16:07	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 16:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 16:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 16:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 16:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 16:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 16:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 16:07	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 16:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 16:07	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 16:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 16:07	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 16:07	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 16:07	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 16:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 16:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 16:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 16:07	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 16:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 16:07	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 16:07	1

Client Sample ID: P114R-ROX-010716-EB

Date Collected: 01/07/16 11:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 16:07	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 16:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 16:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 16:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 16:07	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 16:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 16:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 16:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 16:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 16:07	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 16:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 16:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 16:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 16:07	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 16:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 16:07	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*78 - 118*		*01/12/16 16:07*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/12/16 16:07*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/12/16 16:07*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 09:12	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:12	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*81*		*33 - 138*	*01/11/16 14:02*	*01/13/16 09:12*	*1*
2-Fluorobiphenyl	*99*		*15 - 122*	*01/11/16 14:02*	*01/13/16 09:12*	*1*

Client Sample ID: P114R-ROX-010716-EB

Date Collected: 01/07/16 11:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-3

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		19 - 130	01/11/16 14:02	01/13/16 09:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 23:27	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/12/16 23:27	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 23:27	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 23:27	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 23:27	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 23:27	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 23:27	1
4-Bromophenyl phenyl ether	ND	*	10	0.32	ug/L		01/11/16 14:02	01/12/16 23:27	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 23:27	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 23:27	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 23:27	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 23:27	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 23:27	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 23:27	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 23:27	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 23:27	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 23:27	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 23:27	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 23:27	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 23:27	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 23:27	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 23:27	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/12/16 23:27	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 23:27	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 23:27	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 23:27	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 23:27	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 23:27	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 23:27	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 23:27	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 23:27	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 23:27	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 23:27	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 23:27	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 23:27	1

Client Sample ID: P114R-ROX-010716-EB
Date Collected: 01/07/16 11:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 23:27	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 23:27	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 23:27	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 23:27	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 23:27	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 23:27	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 23:27	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*34 - 120*	*01/11/16 14:02*	*01/12/16 23:27*	*1*
2-Fluorophenol	*65*		*10 - 120*	*01/11/16 14:02*	*01/12/16 23:27*	*1*
Nitrobenzene-d5	*90*		*27 - 120*	*01/11/16 14:02*	*01/12/16 23:27*	*1*
Phenol-d5	*70*		*10 - 120*	*01/11/16 14:02*	*01/12/16 23:27*	*1*
Terphenyl-d14	*71*		*53 - 125*	*01/11/16 14:02*	*01/12/16 23:27*	*1*
2,4,6-Tribromophenol	*90*		*15 - 135*	*01/11/16 14:02*	*01/12/16 23:27*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/12/16 11:19	01/13/16 00:53	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/12/16 11:19	01/13/16 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*51 - 149*	*01/12/16 11:19*	*01/13/16 00:53*	*1*

Client Sample ID: P114R-ROX-010716

Date Collected: 01/07/16 13:10
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 16:32	1
Acrolein	ND		20	10	ug/L			01/12/16 16:32	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 16:32	1
Benzene	0.40	J	1.0	0.38	ug/L			01/12/16 16:32	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 16:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 16:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 16:32	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 16:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 16:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 16:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 16:32	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 16:32	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 16:32	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 16:32	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 16:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 16:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 16:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 16:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 16:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 16:32	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 16:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 16:32	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 16:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 16:32	1
Methyl tert-butyl ether	0.91	J	1.0	0.74	ug/L			01/12/16 16:32	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 16:32	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 16:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 16:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 16:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 16:32	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 16:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 16:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 16:32	1

Client Sample ID: P114R-ROX-010716

Date Collected: 01/07/16 13:10
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 16:32	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 16:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 16:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 16:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 16:32	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 16:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 16:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 16:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 16:32	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:32	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 16:32	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 16:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 16:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 16:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 16:32	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 16:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 16:32	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*78 - 118*		*01/12/16 16:32*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/12/16 16:32*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 16:32*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 09:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 09:50	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1
1-Methylnaphthalene	0.081	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1
2-Methylnaphthalene	0.095	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 09:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*51*		*33 - 138*	*01/11/16 14:02*	*01/13/16 09:50*	*1*
2-Fluorobiphenyl	*86*		*15 - 122*	*01/11/16 14:02*	*01/13/16 09:50*	*1*

Client Sample ID: P114R-ROX-010716
Date Collected: 01/07/16 13:10
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-4
Matrix: Water

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Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		19 - 130	01/11/16 14:02	01/13/16 09:50	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 00:06	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/13/16 00:06	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/13/16 00:06	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 00:06	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/13/16 00:06	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/13/16 00:06	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/13/16 00:06	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/13/16 00:06	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 00:06	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/13/16 00:06	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 00:06	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 00:06	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 00:06	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 00:06	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 00:06	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/13/16 00:06	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 00:06	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/13/16 00:06	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/13/16 00:06	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/13/16 00:06	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 00:06	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 00:06	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/13/16 00:06	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/13/16 00:06	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/13/16 00:06	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/13/16 00:06	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/13/16 00:06	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 00:06	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 00:06	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 00:06	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/13/16 00:06	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/13/16 00:06	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/13/16 00:06	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/13/16 00:06	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 00:06	1

Client Sample ID: P114R-ROX-010716

Date Collected: 01/07/16 13:10
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/13/16 00:06	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/13/16 00:06	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/13/16 00:06	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 00:06	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/13/16 00:06	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/13/16 00:06	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/13/16 00:06	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*34 - 120*	*01/11/16 14:02*	*01/13/16 00:06*	*1*
2-Fluorophenol	*73*		*10 - 120*	*01/11/16 14:02*	*01/13/16 00:06*	*1*
Nitrobenzene-d5	*88*		*27 - 120*	*01/11/16 14:02*	*01/13/16 00:06*	*1*
Phenol-d5	*77*		*10 - 120*	*01/11/16 14:02*	*01/13/16 00:06*	*1*
Terphenyl-d14	*50*	*X*	*53 - 125*	*01/11/16 14:02*	*01/13/16 00:06*	*1*
2,4,6-Tribromophenol	*90*		*15 - 135*	*01/11/16 14:02*	*01/13/16 00:06*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/13/16 01:22	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/13/16 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*51 - 149*	*01/12/16 11:19*	*01/13/16 01:22*	*1*

Client Sample ID: MW3-ROX-010716

Date Collected: 01/07/16 13:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 16:58	1
Acrolein	ND		20	10	ug/L			01/12/16 16:58	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 16:58	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 16:58	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 16:58	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 16:58	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 16:58	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 16:58	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 16:58	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 16:58	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 16:58	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 16:58	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 16:58	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 16:58	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 16:58	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 16:58	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 16:58	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 16:58	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 16:58	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 16:58	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 16:58	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 16:58	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 16:58	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 16:58	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 16:58	1
Methyl tert-butyl ether	8.0		1.0	0.74	ug/L			01/12/16 16:58	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 16:58	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 16:58	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 16:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 16:58	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 16:58	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 16:58	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 16:58	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 16:58	1

Client Sample ID: MW3-ROX-010716

Date Collected: 01/07/16 13:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 16:58	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 16:58	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 16:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 16:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 16:58	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 16:58	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 16:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 16:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 16:58	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 16:58	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 16:58	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 16:58	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 16:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 16:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 16:58	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 16:58	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 16:58	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*78 - 118*		*01/12/16 16:58*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/12/16 16:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 16:58*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 10:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 10:27	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1
1-Methylnaphthalene	**0.53**		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1
2-Methylnaphthalene	**0.45**		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*50*		*33 - 138*	*01/11/16 14:02*	*01/13/16 10:27*	*1*
2-Fluorobiphenyl	*85*		*15 - 122*	*01/11/16 14:02*	*01/13/16 10:27*	*1*

Client Sample ID: MW3-ROX-010716

Date Collected: 01/07/16 13:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-5

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		19 - 130	01/11/16 14:02	01/13/16 10:27	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 00:45	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/13/16 00:45	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/13/16 00:45	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 00:45	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/13/16 00:45	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/13/16 00:45	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/13/16 00:45	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/13/16 00:45	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 00:45	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/13/16 00:45	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 00:45	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 00:45	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 00:45	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 00:45	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 00:45	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/13/16 00:45	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 00:45	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/13/16 00:45	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/13/16 00:45	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/13/16 00:45	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 00:45	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 00:45	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/13/16 00:45	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/13/16 00:45	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/13/16 00:45	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/13/16 00:45	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/13/16 00:45	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 00:45	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 00:45	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 00:45	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/13/16 00:45	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/13/16 00:45	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/13/16 00:45	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/13/16 00:45	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 00:45	1

Client Sample ID: MW3-ROX-010716

Date Collected: 01/07/16 13:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/13/16 00:45	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/13/16 00:45	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/13/16 00:45	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 00:45	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/13/16 00:45	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/13/16 00:45	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/13/16 00:45	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*34 - 120*	*01/11/16 14:02*	*01/13/16 00:45*	*1*
2-Fluorophenol	*67*		*10 - 120*	*01/11/16 14:02*	*01/13/16 00:45*	*1*
Nitrobenzene-d5	*92*		*27 - 120*	*01/11/16 14:02*	*01/13/16 00:45*	*1*
Phenol-d5	*69*		*10 - 120*	*01/11/16 14:02*	*01/13/16 00:45*	*1*
Terphenyl-d14	*49*	*X*	*53 - 125*	*01/11/16 14:02*	*01/13/16 00:45*	*1*
2,4,6-Tribromophenol	*87*		*15 - 135*	*01/11/16 14:02*	*01/13/16 00:45*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/12/16 11:19	01/13/16 01:52	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/12/16 11:19	01/13/16 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*51 - 149*	*01/12/16 11:19*	*01/13/16 01:52*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: MW26-ROX-010716

Date Collected: 01/07/16 14:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 17:24	1
Acrolein	ND		20	10	ug/L			01/12/16 17:24	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 17:24	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 17:24	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 17:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 17:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 17:24	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 17:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 17:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 17:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 17:24	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 17:24	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 17:24	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 17:24	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 17:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 17:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 17:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 17:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 17:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 17:24	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 17:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 17:24	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 17:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 17:24	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 17:24	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 17:24	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 17:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 17:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 17:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 17:24	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 17:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 17:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 17:24	1

Client Sample ID: MW26-ROX-010716

Date Collected: 01/07/16 14:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 17:24	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 17:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 17:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 17:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Tetrachloroethene	ND		1.0	0.68	ug/L			01/12/16 17:24	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 17:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 17:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 17:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 17:24	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 17:24	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 17:24	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 17:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 17:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 17:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 17:24	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 17:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 17:24	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*78 - 118*		*01/12/16 17:24*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/12/16 17:24*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 17:24*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 12:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:19	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*45*		*33 - 136*	*01/11/16 14:02*	*01/13/16 12:19*	*1*
2-Fluorobiphenyl	*101*		*15 - 122*	*01/11/16 14:02*	*01/13/16 12:19*	*1*

Client Sample ID: MW26-ROX-010716

Date Collected: 01/07/16 14:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-6

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		19 - 130	01/11/16 14:02	01/13/16 12:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 15:34	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/13/16 15:34	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/13/16 15:34	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 15:34	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/13/16 15:34	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/13/16 15:34	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/13/16 15:34	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/13/16 15:34	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 15:34	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/13/16 15:34	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 15:34	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 15:34	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 15:34	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 15:34	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 15:34	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/13/16 15:34	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 15:34	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/13/16 15:34	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/13/16 15:34	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/13/16 15:34	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 15:34	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 15:34	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/13/16 15:34	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/13/16 15:34	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/13/16 15:34	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/13/16 15:34	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/13/16 15:34	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 15:34	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 15:34	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 15:34	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/13/16 15:34	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/13/16 15:34	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/13/16 15:34	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/13/16 15:34	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 15:34	1

Client Sample ID: MW26-ROX-010716
Date Collected: 01/07/16 14:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-6
Matrix: Water

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Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/13/16 15:34	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/13/16 15:34	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/13/16 15:34	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 15:34	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/13/16 15:34	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/13/16 15:34	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/13/16 15:34	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*34 - 120*	*01/11/16 14:02*	*01/13/16 15:34*	*1*
2-Fluorophenol	*50*		*10 - 120*	*01/11/16 14:02*	*01/13/16 15:34*	*1*
Nitrobenzene-d5	*88*		*27 - 120*	*01/11/16 14:02*	*01/13/16 15:34*	*1*
Phenol-d5	*49*		*10 - 120*	*01/11/16 14:02*	*01/13/16 15:34*	*1*
Terphenyl-d14	*37*	*X*	*53 - 125*	*01/11/16 14:02*	*01/13/16 15:34*	*1*
2,4,6-Tribromophenol	*56*		*15 - 135*	*01/11/16 14:02*	*01/13/16 15:34*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/13/16 02:51	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/13/16 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*51 - 149*	*01/12/16 11:19*	*01/13/16 02:51*	*1*

Client Sample ID: MW13-ROX-010716

Date Collected: 01/07/16 15:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19	J	25	10	ug/L			01/12/16 17:50	1
Acrolein	ND		20	10	ug/L			01/12/16 17:50	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 17:50	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 17:50	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 17:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 17:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 17:50	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 17:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 17:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 17:50	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 17:50	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 17:50	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 17:50	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 17:50	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 17:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 17:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 17:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 17:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 17:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Ethylbenzene	2.1		1.0	0.50	ug/L			01/12/16 17:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 17:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 17:50	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 17:50	1
Isopropylbenzene	8.0		1.0	0.53	ug/L			01/12/16 17:50	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 17:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 17:50	1
Methyl tert-butyl ether	13		1.0	0.74	ug/L			01/12/16 17:50	1
m-Xylene & p-Xylene	59		5.0	1.6	ug/L			01/12/16 17:50	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 17:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 17:50	1
N-Propylbenzene	11		1.0	0.69	ug/L			01/12/16 17:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 17:50	1
o-Xylene	3.8	J	5.0	0.60	ug/L			01/12/16 17:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 17:50	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 17:50	1

Client Sample ID: MW13-ROX-010716

Lab Sample ID: 400-116104-7

Date Collected: 01/07/16 15:30
Date Received: 01/08/16 10:36

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 17:50	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 17:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 17:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 17:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 17:50	1
Toluene	33		1.0	0.70	ug/L			01/12/16 17:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:50	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 17:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 17:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 17:50	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 17:50	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 17:50	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 17:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 17:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 17:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 17:50	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 17:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 17:50	1
Xylenes, Total	63		5.0	0.60	ug/L			01/12/16 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*		*78 - 118*		*01/12/16 17:50*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/12/16 17:50*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/12/16 17:50*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 12:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 12:57	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1
1-Methylnaphthalene	0.21		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*43*		*33 - 138*	*01/11/16 14:02*	*01/13/16 12:57*	*1*
2-Fluorobiphenyl	*78*		*15 - 122*	*01/11/16 14:02*	*01/13/16 12:57*	*1*

Client Sample ID: MW13-ROX-010716

Date Collected: 01/07/16 15:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-7

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		19 - 130	01/11/16 14:02	01/13/16 12:57	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 16:13	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/13/16 16:13	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/13/16 16:13	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 16:13	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/13/16 16:13	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/13/16 16:13	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/13/16 16:13	1
4-Bromophenyl phenyl ether	ND	*	10	0.32	ug/L		01/11/16 14:02	01/13/16 16:13	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 16:13	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/13/16 16:13	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 16:13	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 16:13	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 16:13	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 16:13	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 16:13	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/13/16 16:13	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 16:13	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/13/16 16:13	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/13/16 16:13	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/13/16 16:13	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 16:13	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 16:13	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/13/16 16:13	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/13/16 16:13	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/13/16 16:13	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/13/16 16:13	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/13/16 16:13	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 16:13	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 16:13	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 16:13	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/13/16 16:13	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/13/16 16:13	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/13/16 16:13	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/13/16 16:13	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 16:13	1

Client Sample ID: MW13-ROX-010716

Date Collected: 01/07/16 15:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/13/16 16:13	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/13/16 16:13	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/13/16 16:13	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 16:13	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/13/16 16:13	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/13/16 16:13	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/13/16 16:13	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*34 - 120*	*01/11/16 14:02*	*01/13/16 16:13*	*1*
2-Fluorophenol	*65*		*10 - 120*	*01/11/16 14:02*	*01/13/16 16:13*	*1*
Nitrobenzene-d5	*86*		*27 - 120*	*01/11/16 14:02*	*01/13/16 16:13*	*1*
Phenol-d5	*68*		*10 - 120*	*01/11/16 14:02*	*01/13/16 16:13*	*1*
Terphenyl-d14	*42*		*53 - 125*	*01/11/16 14:02*	*01/13/16 16:13*	*1*
2,4,6-Tribromophenol	*84*		*15 - 135*	*01/11/16 14:02*	*01/13/16 16:13*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0054	ug/L		01/12/16 11:19	01/13/16 03:21	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/12/16 11:19	01/13/16 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*01/12/16 11:19*	*01/13/16 03:21*	*1*

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116104-1	TB-ROX-010716-8260	115	96	97
400-116104-3	P114R-ROX-010716-EB	114	97	96
400-116104-4	P114R-ROX-010716	115	99	97
400-116104-5	MW3-ROX-010716	116	96	97
400-116104-6	MW26-ROX-010716	114	99	97
400-116104-7	MW13-ROX-010716	117	95	98
400-116107-A-1 MS	Matrix Spike	116	102	98
400-116107-A-1 MSD	Matrix Spike Duplicate	117	103	98
LCS 400-290135/1002	Lab Control Sample	115	101	98
MB 400-290135/4	Method Blank	111	97	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(16-135)
400-116100-E-1-B MS	Matrix Spike	70	59	75	64	46 X	74
400-116100-E-1-C MSD	Matrix Spike Duplicate	81	68	83	73	49 X	94
400-116104-3	P114R-ROX-010716-EB	85	65	90	70	71	90
400-116104-4	P114R-ROX-010716	83	73	88	77	50 X	90
400-116104-5	MW3-ROX-010716	80	67	92	69	49 X	87
400-116104-6	MW26-ROX-010716	81	50	88	49	37 X	56
400-116104-7	MW13-ROX-010716	77	65	86	68	42 X	84
400-116107-F-1-B MS	Matrix Spike	82	69	86	75	90	102
400-116107-F-1-C MSD	Matrix Spike Duplicate	88	72	91	78	80	106
LCS 400-290095/2-A	Lab Control Sample	59	54	64	63	59	65
LCS 400-290095/3-A	Lab Control Sample	91	80	95	89	86	91
LCSD 400-290095/4-A	Lab Control Sample Dup	87	73	92	84	79	83
MB 400-290095/1-A	Method Blank	67	58	70	67	58	63

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TPH (33-138)	FBP (16-122)	NBZ (19-130)
400-116104-3	P114R-ROX-010716-EB	81	99	83
400-116104-4	P114R-ROX-010716	51	86	83
400-116104-5	MW3-ROX-010716	50	85	82
400-116104-6	MW26-ROX-010716	45	101	81
400-116104-7	MW13-ROX-010716	43	78	76
400-116107-F-1-B MS	Matrix Spike	80	87	83
400-116107-F-1-C MSD	Matrix Spike Duplicate	76	90	85
LCS 400-290095/2-A	Lab Control Sample	73	68	67
MB 400-290095/1-A	Method Blank	89	95	78

Surrogate Legend

TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (51-149)
400-116100-C-1-B MS	Matrix Spike	99
400-116100-C-1-C MSD	Matrix Spike Duplicate	87
400-116104-2	TB-ROX-010716-8011	132
400-116104-3	P114R-ROX-010716-EB	106
400-116104-4	P114R-ROX-010716	96
400-116104-5	MW3-ROX-010716	107
400-116104-6	MW26-ROX-010716	97
400-116104-7	MW13-ROX-010716	100
LCS 400-290186/2-A	Lab Control Sample	92
MB 400-290186/1-A	Method Blank	95

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010716-8260

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 15:41	WPD	TAL PEN

Client Sample ID: TB-ROX-010716-8011

Date Collected: 01/07/16 00:00
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.1 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.1 mL	35 mL	290259	01/13/16 00:24	MAM	TAL PEN

Client Sample ID: P114R-ROX-010716-EB

Date Collected: 01/07/16 11:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 16:07	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 23:27	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 09:12	CEP	TAL PEN
Total/NA	Prep	8011			35.8 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.8 mL	35 mL	290259	01/13/16 00:53	MAM	TAL PEN

Client Sample ID: P114R-ROX-010716

Date Collected: 01/07/16 13:10
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 16:32	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/13/16 00:06	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 09:50	CEP	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.8 mL	35 mL	290259	01/13/16 01:22	MAM	TAL PEN

Client Sample ID: MW3-ROX-010716

Date Collected: 01/07/16 13:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 16:58	WPD	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: MW3-ROX-010716

Date Collected: 01/07/16 13:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/13/16 00:45	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 10:27	CEP	TAL PEN
Total/NA	Prep	8011			35.8 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.8 mL	35 mL	290259	01/13/16 01:52	MAM	TAL PEN

Client Sample ID: MW26-ROX-010716

Date Collected: 01/07/16 14:50
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 17:24	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290245	01/13/16 15:34	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 12:19	CEP	TAL PEN
Total/NA	Prep	8011			35.2 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.2 mL	35 mL	290259	01/13/16 02:51	MAM	TAL PEN

Client Sample ID: MW13-ROX-010716

Date Collected: 01/07/16 15:30
Date Received: 01/08/16 10:36

Lab Sample ID: 400-116104-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 17:50	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290245	01/13/16 16:13	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 12:57	CEP	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.5 mL	35 mL	290259	01/13/16 03:21	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290095/2-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:58	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290141	01/12/16 20:47	CEP	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290095/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 17:37	AJR	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290135/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 08:59	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290186/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 21:55	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290095/4-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 18:16	AJR	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290095/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:19	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290141	01/12/16 20:13	CEP	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290135/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 09:50	WPD	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290186/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 21:26	MAM	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 290135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116104-1	TB-ROX-010716-8260	Total/NA	Water	8260B	
400-116104-3	P114R-ROX-010716-EB	Total/NA	Water	8260B	
400-116104-4	P114R-ROX-010716	Total/NA	Water	8260B	
400-116104-5	MW3-ROX-010716	Total/NA	Water	8260B	
400-116104-6	MW26-ROX-010716	Total/NA	Water	8260B	
400-116104-7	MW13-ROX-010716	Total/NA	Water	8260B	
LCS 400-290135/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290135/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 290006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116104-3	P114R-ROX-010716-EB	Total/NA	Water	8270D	290095
400-116104-4	P114R-ROX-010716	Total/NA	Water	8270D	290095
400-116104-5	MW3-ROX-010716	Total/NA	Water	8270D	290095
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D	290095
LCS 400-290095/3-A	Lab Control Sample	Total/NA	Water	8270D	290095
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D	290095

Prep Batch: 290095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116104-3	P114R-ROX-010716-EB	Total/NA	Water	3520C	
400-116104-4	P114R-ROX-010716	Total/NA	Water	3520C	
400-116104-5	MW3-ROX-010716	Total/NA	Water	3520C	
400-116104-6	MW26-ROX-010716	Total/NA	Water	3520C	
400-116104-7	MW13-ROX-010716	Total/NA	Water	3520C	
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-290095/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290095/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D LL	290095

Analysis Batch: 290245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116104-6	MW26-ROX-010716	Total/NA	Water	8270D	290095
400-116104-7	MW13-ROX-010716	Total/NA	Water	8270D	290095

Analysis Batch: 290285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116104-3	P114R-ROX-010716-EB	Total/NA	Water	8270D LL	290095
400-116104-4	P114R-ROX-010716	Total/NA	Water	8270D LL	290095
400-116104-5	MW3-ROX-010716	Total/NA	Water	8270D LL	290095
400-116104-6	MW26-ROX-010716	Total/NA	Water	8270D LL	290095
400-116104-7	MW13-ROX-010716	Total/NA	Water	8270D LL	290095

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

GC Semi VOA

Prep Batch: 290186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116104-2	TB-ROX-010716-8011	Total/NA	Water	8011	
400-116104-3	P114R-ROX-010716-EB	Total/NA	Water	8011	
400-116104-4	P114R-ROX-010716	Total/NA	Water	8011	
400-116104-5	MW3-ROX-010716	Total/NA	Water	8011	
400-116104-6	MW26-ROX-010716	Total/NA	Water	8011	
400-116104-7	MW13-ROX-010716	Total/NA	Water	8011	
LCS 400-290186/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 400-290186/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 290259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116104-2	TB-ROX-010716-8011	Total/NA	Water	8011	290186
400-116104-3	P114R-ROX-010716-EB	Total/NA	Water	8011	290186
400-116104-4	P114R-ROX-010716	Total/NA	Water	8011	290186
400-116104-5	MW3-ROX-010716	Total/NA	Water	8011	290186
400-116104-6	MW26-ROX-010716	Total/NA	Water	8011	290186
400-116104-7	MW13-ROX-010716	Total/NA	Water	8011	290186
LCS 400-290186/2-A	Lab Control Sample	Total/NA	Water	8011	290186
MB 400-290186/1-A	Method Blank	Total/NA	Water	8011	290186

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

Lab Sample ID: MB 400-290135/4
Matrix: Water
Analysis Batch: 290135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 09:50	1
Acrolein	ND		20	10	ug/L			01/12/16 09:50	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 09:50	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 09:50	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 09:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 09:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 09:50	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 09:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 09:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 09:50	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 09:50	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 09:50	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 09:50	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 09:50	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 09:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 09:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 09:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 09:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 09:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 09:50	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 09:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 09:50	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 09:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 09:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 09:50	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 09:50	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 09:50	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 09:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 09:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 09:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 09:50	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 09:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 09:50	1

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

Lab Sample ID: MB 400-290135/4
Matrix: Water
Analysis Batch: 290135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 09:50	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 09:50	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 09:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 09:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 09:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 09:50	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 09:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 09:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 09:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 09:50	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 09:50	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 09:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 09:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 09:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 09:50	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 09:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 09:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*78 - 118*		*01/12/16 09:50*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/12/16 09:50*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/12/16 09:50*	*1*

Lab Sample ID: LCS 400-290135/1002
Matrix: Water
Analysis Batch: 290135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	236		ug/L		118	43 - 160
Acrolein	500	547		ug/L		109	38 - 160
Acrylonitrile	500	546		ug/L		109	64 - 142
Benzene	50.0	51.8		ug/L		104	70 - 130
Bromobenzene	50.0	50.2		ug/L		100	70 - 132
Bromochloromethane	50.0	49.3		ug/L		99	70 - 130
Bromodichloromethane	50.0	57.0		ug/L		114	67 - 133
Bromoform	50.0	49.2		ug/L		98	57 - 140
Bromomethane	50.0	40.4		ug/L		81	10 - 160
2-Butanone (MEK)	200	200		ug/L		100	61 - 145
Carbon disulfide	50.0	56.6		ug/L		113	61 - 137
Carbon tetrachloride	50.0	54.8		ug/L		109	61 - 137
Chlorobenzene	50.0	48.7		ug/L		97	70 - 130
Dibromochloromethane	50.0	50.4		ug/L		101	67 - 135
Chloroethane	50.0	46.6		ug/L		93	55 - 141

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

Lab Sample ID: LCS 400-290135/1002
Matrix: Water
Analysis Batch: 290135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	50.0		ug/L		100	10 - 160
Chloroform	50.0	52.9		ug/L		106	69 - 130
1-Chlorohexane	50.0	58.4		ug/L		117	69 - 130
Chloromethane	50.0	56.0		ug/L		112	58 - 137
cis-1,2-Dichloroethene	50.0	56.3		ug/L		113	68 - 130
cis-1,3-Dichloropropene	50.0	57.3		ug/L		115	69 - 132
1,2-Dichlorobenzene	50.0	48.2		ug/L		96	67 - 130
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	53.1		ug/L		106	41 - 146
1,1-Dichloroethane	50.0	56.7		ug/L		113	70 - 130
1,2-Dichloroethane	50.0	57.4		ug/L		115	69 - 130
1,1-Dichloroethene	50.0	53.0		ug/L		106	63 - 134
1,2-Dichloropropane	50.0	53.0		ug/L		106	70 - 130
1,3-Dichloropropane	50.0	52.3		ug/L		105	70 - 130
2,2-Dichloropropane	50.0	60.0		ug/L		120	52 - 135
1,1-Dichloropropene	50.0	54.1		ug/L		108	70 - 130
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130
Ethyl methacrylate	50.0	49.5		ug/L		99	68 - 130
Hexachlorobutadiene	50.0	48.5		ug/L		97	53 - 140
2-Hexanone	200	221		ug/L		111	65 - 137
Isopropylbenzene	50.0	50.6		ug/L		101	70 - 130
Methylene bromide	50.0	54.2		ug/L		108	70 - 130
Methylene Chloride	50.0	53.4		ug/L		107	66 - 135
4-Methyl-2-pentanone (MIBK)	200	226		ug/L		113	69 - 138
Methyl tert-butyl ether	50.0	54.6		ug/L		109	66 - 130
m-Xylene & p-Xylene	50.0	52.2		ug/L		104	70 - 130
Naphthalene	50.0	49.1		ug/L		98	47 - 149
n-Butylbenzene	50.0	50.8		ug/L		102	67 - 130
N-Propylbenzene	50.0	53.8		ug/L		108	70 - 130
o-Chlorotoluene	50.0	53.4		ug/L		107	70 - 130
o-Xylene	50.0	51.1		ug/L		102	70 - 130
p-Chlorotoluene	50.0	55.2		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	51.7		ug/L		103	65 - 130
sec-Butylbenzene	50.0	51.7		ug/L		103	66 - 130
Styrene	50.0	50.7		ug/L		101	70 - 130
tert-Butylbenzene	50.0	50.4		ug/L		101	64 - 139
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	54.3		ug/L		109	70 - 131
Tetrachloroethene	50.0	42.0		ug/L		84	65 - 130
Toluene	50.0	49.0		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	52.1		ug/L		104	63 - 130
1,2,3-Trichlorobenzene	50.0	47.4		ug/L		95	60 - 138
1,2,4-Trichlorobenzene	50.0	48.4		ug/L		97	60 - 140
1,1,1-Trichloroethane	50.0	57.0		ug/L		114	68 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 130

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

Lab Sample ID: LCS 400-290135/1002
Matrix: Water
Analysis Batch: 290135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	50.0	45.0		ug/L		90	65 - 138
1,2,3-Trichloropropane	50.0	50.8		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	50.0	53.7		ug/L		107	69 - 130
Vinyl acetate	100	109		ug/L		109	26 - 160
Vinyl chloride	50.0	49.3		ug/L		99	59 - 136
Xylenes, Total	100	103		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*115*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzenethiol	ND		10	1.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 16:19	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/11/16 14:02	01/12/16 16:19	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-octyl phthalate	0.631	J	10	0.44	ug/L		01/11/16 14:02	01/12/16 16:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2-Fluorophenol	*58*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Nitrobenzene-d5	*70*		*27 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Phenol-d5	*67*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Terphenyl-d14	*58*		*53 - 125*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2,4,6-Tribromophenol	*63*		*15 - 135*	*01/11/16 14:02*	*01/12/16 16:19*	*1*

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	19.1		ug/L		64	10 - 145
Benzoic acid	127	32.8		ug/L		26	10 - 120
Benzyl alcohol	30.0	21.2		ug/L		71	51 - 121
Bis(2-chloroethoxy)methane	30.0	20.0		ug/L		67	54 - 123
Bis(2-chloroethyl)ether	30.0	19.4		ug/L		65	47 - 120
bis (2-chloroisopropyl) ether	30.0	19.5		ug/L		65	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	18.9		ug/L		63	62 - 140
4-Bromophenyl phenyl ether	30.0	17.3	*	ug/L		58	62 - 132
Butyl benzyl phthalate	30.0	19.2		ug/L		64	51 - 150

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	15.2		ug/L		51	32 - 128
4-Chloro-3-methylphenol	30.0	20.9		ug/L		70	47 - 135
2-Chloronaphthalene	30.0	18.7		ug/L		62	24 - 150
2-Chlorophenol	30.0	18.1		ug/L		60	45 - 120
4-Chlorophenyl phenyl ether	30.0	19.2		ug/L		64	61 - 133
Dibenz[a,h]acridine	30.0	22.0		ug/L		73	60 - 131
Dibenzofuran	30.0	20.1		ug/L		67	62 - 124
3,3'-Dichlorobenzidine	40.0	24.9		ug/L		62	16 - 167
2,4-Dichlorophenol	30.0	18.8		ug/L		63	52 - 125
Diethyl phthalate	30.0	20.9		ug/L		70	55 - 140
2,4-Dimethylphenol	30.0	19.7		ug/L		66	52 - 121
Dimethyl phthalate	30.0	19.3		ug/L		64	50 - 133
Di-n-butyl phthalate	30.0	21.1		ug/L		70	59 - 144
4,6-Dinitro-ortho-cresol	60.0	35.2		ug/L		59	46 - 136
2,4-Dinitrophenol	110	54.1		ug/L		49	22 - 146
2,4-Dinitrotoluene	30.0	22.2		ug/L		74	54 - 141
2,6-Dinitrotoluene	30.0	19.3		ug/L		64	61 - 130
Di-n-octyl phthalate	30.0	20.8		ug/L		69	55 - 140
1,4-Dioxane	30.0	15.1		ug/L		50	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.1		ug/L		67	55 - 139
Hexachlorobenzene	30.0	19.1		ug/L		64	60 - 138
Hexachlorocyclopentadiene	30.0	15.9	J	ug/L		53	1 - 139
Hexachloroethane	30.0	17.1		ug/L		57	46 - 121
Indene	30.0	17.5		ug/L		58	17 - 141
Isophorone	30.0	20.7		ug/L		69	57 - 122
2-Methylphenol	30.0	19.4		ug/L		65	38 - 121
3 & 4 Methylphenol	30.0	19.9	J	ug/L		66	43 - 126
2-Nitroaniline	30.0	20.8		ug/L		69	52 - 135
3-Nitroaniline	30.0	16.7		ug/L		56	51 - 128
4-Nitroaniline	30.0	20.7		ug/L		69	38 - 141
Nitrobenzene	30.0	19.2		ug/L		64	52 - 128
2-Nitrophenol	30.0	18.1		ug/L		60	47 - 129
4-Nitrophenol	60.0	32.3		ug/L		54	34 - 137
N-Nitrosodimethylamine	30.0	17.8		ug/L		59	21 - 134
N-Nitrosodi-n-propylamine	30.0	21.0		ug/L		70	41 - 143
N-Nitrosodiphenylamine	95.2	40.2		ug/L		42	10 - 185
Pentachlorophenol	60.0	35.3		ug/L		59	38 - 138
Phenol	30.0	19.0		ug/L		63	37 - 120
Pyridine	30.0	16.7		ug/L		56	10 - 127
Quinoline	30.0	19.7		ug/L		66	10 - 164
2,4,5-Trichlorophenol	30.0	19.4		ug/L		65	53 - 130
2,4,6-Trichlorophenol	30.0	18.4		ug/L		61	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*54*		*10 - 120*
Nitrobenzene-d5	*64*		*27 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*59*		*53 - 125*
2,4,6-Tribromophenol	*65*		*15 - 135*

Lab Sample ID: LCS 400-290095/3-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	22.1		ug/L		74	20 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*91*		*34 - 120*
2-Fluorophenol	*80*		*10 - 120*
Nitrobenzene-d5	*95*		*27 - 120*
Phenol-d5	*89*		*10 - 120*
Terphenyl-d14	*86*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Lab Sample ID: LCSD 400-290095/4-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	15.4	*	ug/L		51	20 - 150	36	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*73*		*10 - 120*
Nitrobenzene-d5	*92*		*27 - 120*
Phenol-d5	*84*		*10 - 120*
Terphenyl-d14	*79*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/12/16 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*89*		*33 - 138*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
2-Fluorobiphenyl	*95*		*15 - 122*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
Nitrobenzene-d5	*78*		*19 - 130*	*01/11/16 14:02*	*01/12/16 20:13*	*1*

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	21.8		ug/L		73	41 - 120
Acenaphthylene	30.0	22.2		ug/L		74	44 - 120
Anthracene	30.0	21.0		ug/L		70	49 - 120
Benzo[a]anthracene	30.0	20.2		ug/L		67	61 - 135
Benzo[a]pyrene	30.0	23.0		ug/L		77	52 - 120
Benzo[b]fluoranthene	30.0	23.3		ug/L		78	53 - 134
Benzo[g,h,i]perylene	30.0	19.0		ug/L		63	47 - 133
Benzo[k]fluoranthene	30.0	25.5		ug/L		85	57 - 134
Chrysene	30.0	22.5		ug/L		75	55 - 122
Dibenz(a,h)anthracene	30.0	21.4		ug/L		71	48 - 146
Fluoranthene	30.0	20.8		ug/L		69	54 - 128
Fluorene	30.0	23.6		ug/L		79	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	19.9		ug/L		66	43 - 142
Phenanthrene	30.0	20.6		ug/L		69	48 - 120
Pyrene	30.0	21.4		ug/L		71	48 - 132
1-Methylnaphthalene	30.0	22.6		ug/L		75	41 - 120
2-Methylnaphthalene	30.0	22.6		ug/L		75	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*73*		*33 - 138*
2-Fluorobiphenyl	*68*		*15 - 122*
Nitrobenzene-d5	*67*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290186/1-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/12/16 21:26	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/12/16 21:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*01/12/16 11:19*	*01/12/16 21:26*	*1*

Lab Sample ID: LCS 400-290186/2-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0812		ug/L		81	60 - 140
1,2-Dibromoethane	0.100	0.0955		ug/L		95	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
- ☐ ACCUTEST ( )
- ☐ CALSCIENCE ( )
- ☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
- ☐ Other ( )

Lab Vendor # 1354559 (TestAmerica)

Please Check Appropriate Box:
- ☐ SGW FDG
- ☐ PIPELINE
- ☐ RETAIL
- ☐ CHEMICALS
- ☐ CONSULTANT
- ☐ LUBES
- ☐ TRANSPORTATION
- ☑ OTHER _ENV. SERVICES_

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Bob Billman	25278	DATE: 7 JAN. 2016
PO #	GSAP Project ID	PAGE: 1 of
60477387 - 1.03.001/1.030011	USPC/00114/R/02	

SAMPLING COMPANY: AECOM
LOG CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Other ID:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
TELEPHONE: 314-429-0100
FAX: 314-429-0462
BB To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com
SAMPLER NAME(S) (Print): B. Koca; E. Schumacher, C. Williams; D. Haxel
LAB USE ONLY:

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD_

TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
- * Please include "J" values on Reports
- * Please provide sample receipt upon login
- * Please run preserved and unpreserved 8260 VOCs concurrently

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NaOH	OTHER	NO. OF CONT.	UNIT COST 60477387 - 1.03.0011: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.001: VOC 8260	SVOC 8270	FIELD NOTES: TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
	TB-ROX-010716-8260	1/7/2016	0000	Water	2					2			X		
	TB-ROX-010716-8011		0000		2					2			X		
	P114R-ROX-010716-EB		1130		4			3		7	X	X	X	X	
	P114R-ROX-010716		1310		4			3		7	X	X	X	X	
	MW3-ROX-010716		1350		4			3		7	X	X	X	X	
	MW26-ROX-010716		1450		4			3		7	X	X	X	X	
	MW13-ROX-010716		1530		4			3		7	X	X	X	X	

400-116104 COC

7 Jan. 2016

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Fed Ex 8092 2040 8020	7 Jan. 2016	17:30
	[signature]	1-8-16	1036

2.9°C 2.4°C 0.1°C 20°C

custody seals: Test America 184077 526916 523260 523259 523258 523257 523256 523241

Version: 14Dec15

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1/21/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116104-1
SDG Number: Proj.60477387-1.03.001/1.03.0011

Login Number: 116104
List Number: 1
Creator: Hooper, Carolyn D

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	2.9°C, 2.4°C, 0.1°C, 2.0°C IR-6
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116104-1
SDG: Proj.60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116106-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 1/27/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW1-ROX-010816	MW6D-ROX-010816
MW6D-ROX-010816-Dup	MW6C-ROX-010816
TB-ROX-010816-8260B	TB-ROX-010816-8011B

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that di-n-octyl phthalate was detected in the method blank. The SVOC LCS recovery for 4-bromophenyl phenyl ether and SVOC LCS/LCSD RPD for benzenethiol were outside evaluation criteria. The surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. These issues are addressed further in the appropriate sections below.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form indicated that four of four coolers were received by the laboratory at temperatures of 0.5°C, 0.8°C, 1.1°C, and 1.3°C, which are outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration/ Amount
MB 400-290095/1-A	SVOCs	Di-n-octyl phthalate	0.631 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times

(5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD /RPD Criteria
LCS 400-290095/2-A	SVOCs	4-Bromophenyl phenyl ether	**58**	NA	62-132
LCS/LCSD 400-290095/3-A/4-A	SVOCs	Benzenethiol	74/51	**36**	20-150/30

Analytical data that required qualification based on LCS data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPDs above evaluation criteria did not require qualification; LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
MW1-ROX-010816	SVOCs	4-Bromophenyl phenyl ether	**UJ**
MW6D-ROX-010816	SVOCs	4-Bromophenyl phenyl ether	**UJ**
MW6D-ROX-010816-Dup	SVOCs	4-Bromophenyl phenyl ether	**UJ**
MW6C-ROX-010816	SVOCs	4-Bromophenyl phenyl ether	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW6D-ROX-010816	SVOCs	Terphenyl-d_{14}	**38**	53-125
MW6D-ROX-010816-Dup	SVOCs	Terphenyl-d_{14}	**51**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six SVOC surrogate recoveries being outside evaluation criteria each sample. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

No

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
MW6D-ROX-010816	MW6D-ROX-010816-Dup

Were field duplicates within evaluation criteria?

Yes

11.0 Sample Dilutions

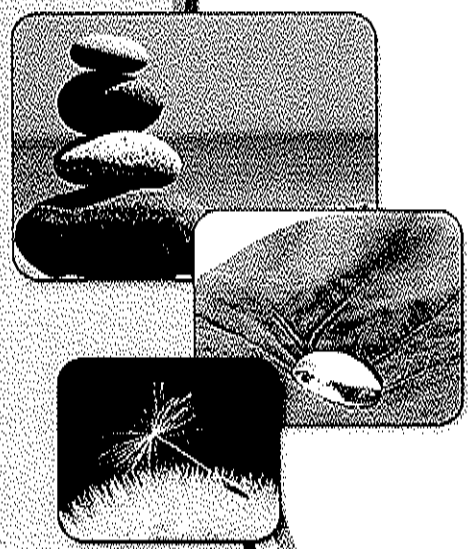
For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116106-1
TestAmerica SDG: Proj. 60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn S. Hooper

Authorized for release by:
1/21/2016 6:35:04 PM

Carolyn Hooper, Project Manager I
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LINKS

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Reviewed 1/27/16 LH

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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Job ID: 400-116106-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116106-1

Receipt
The samples were received on 1/9/2016 10:08 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.5°C, 0.8°C, 1.1°C and 1.3°C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 290145 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW1-ROX-010816 (400-116106-1), MW6D-ROX-010816 (400-116106-2), MW6D-ROX-010816-DUP (400-116106-3), MW6C-ROX-010816 (400-116106-4) and TB-ROX-010816-8260B (400-116106-5). The requested target analyte list includes 2-chloroethyl vinyl ether, acrolein, and acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

GC/MS Semi VOA
Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW6D-ROX-010816 (400-116106-2) and MW6D-ROX-010816-DUP (400-116106-3). These results have been reported and qualified.

The method blank for preparation batch 400-290095 and analytical batch 400-290006 contained Di-n-octyl phthalate 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.

The following analyte recovered outside control limits for the LCS associated with preparation batch 400-290095 and analytical batch 400-290006: 4-Bromophenyl phenyl ether. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 290095 recovered outside control limits for the following analytes: Benzenethiol.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116106-1	MW1-ROX-010816	Water	01/08/16 10:10	01/09/16 10:08
400-116106-2	MW6D-ROX-010816	Water	01/08/16 11:15	01/09/16 10:08
400-116106-3	MW6D-ROX-010816-DUP	Water	01/08/16 11:15	01/09/16 10:08
400-116106-4	MW6C-ROX-010816	Water	01/08/16 12:10	01/09/16 10:08
400-116106-5	TB-ROX-010816-8260B	Water	01/08/16 00:00	01/09/16 10:08
400-116106-6	TB-ROX-010816-8011B	Water	01/08/16 00:00	01/09/16 10:08

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW1-ROX-010816

Lab Sample ID: 400-116106-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.9		1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	0.78	J	1.0	0.74	ug/L	1		8260B	Total/NA
2-Methylnaphthalene	0.062	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW6D-ROX-010816

Lab Sample ID: 400-116106-2

No Detections.

Client Sample ID: MW6D-ROX-010816-DUP

Lab Sample ID: 400-116106-3

No Detections.

Client Sample ID: MW6C-ROX-010816

Lab Sample ID: 400-116106-4

No Detections.

Client Sample ID: TB-ROX-010816-8260B

Lab Sample ID: 400-116106-5

No Detections.

Client Sample ID: TB-ROX-010816-8011B

Lab Sample ID: 400-116106-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW1-ROX-010816

Date Collected: 01/08/16 10:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 12:34	1
Acrolein	ND		20	10	ug/L			01/12/16 12:34	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 12:34	1
Benzene	2.9		1.0	0.38	ug/L			01/12/16 12:34	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 12:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 12:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 12:34	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 12:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 12:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 12:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 12:34	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 12:34	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 12:34	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 12:34	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 12:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 12:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 12:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 12:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 12:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 12:34	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 12:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 12:34	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 12:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 12:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 12:34	1
Methyl tert-butyl ether	0.78	J	1.0	0.74	ug/L			01/12/16 12:34	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 12:34	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 12:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 12:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 12:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 12:34	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 12:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 12:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 12:34	1

Client Sample ID: MW1-ROX-010816

Date Collected: 01/08/16 10:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 12:34	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 12:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 12:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 12:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 12:34	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 12:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 12:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 12:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 12:34	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:34	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 12:34	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 12:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 12:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 12:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 12:34	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 12:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 12:34	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/12/16 12:34*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/12/16 12:34*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/12/16 12:34*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 13:34	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 13:34	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1
2-Methylnaphthalene	0.062	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*78*		*33 - 138*	*01/11/16 14:02*	*01/13/16 13:34*	*1*
2-Fluorobiphenyl	*99*		*15 - 122*	*01/11/16 14:02*	*01/13/16 13:34*	*1*

Client Sample ID: MW1-ROX-010816

Date Collected: 01/08/16 10:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-1

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*83*		*19 - 130*	*01/11/16 14:02*	*01/13/16 13:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 20:52	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/12/16 20:52	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 20:52	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 20:52	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 20:52	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 20:52	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 20:52	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/12/16 20:52	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 20:52	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 20:52	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 20:52	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 20:52	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 20:52	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 20:52	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 20:52	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 20:52	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 20:52	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 20:52	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 20:52	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 20:52	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 20:52	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 20:52	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/12/16 20:52	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 20:52	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 20:52	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 20:52	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 20:52	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 20:52	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 20:52	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 20:52	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 20:52	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 20:52	1
2-Nitrophenol	ND		10	0.66	ug/L		01/11/16 14:02	01/12/16 20:52	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 20:52	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 20:52	1

Client Sample ID: MW1-ROX-010816

Date Collected: 01/08/16 10:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 20:52	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 20:52	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 20:52	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 20:52	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 20:52	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 20:52	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 20:52	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*34 - 120*	*01/11/16 14:02*	*01/12/16 20:52*	*1*
2-Fluorophenol	*13*		*10 - 120*	*01/11/16 14:02*	*01/12/16 20:52*	*1*
Nitrobenzene-d5	*84*		*27 - 120*	*01/11/16 14:02*	*01/12/16 20:52*	*1*
Phenol-d5	*30*		*10 - 120*	*01/11/16 14:02*	*01/12/16 20:52*	*1*
Terphenyl-d14	*57*		*53 - 125*	*01/11/16 14:02*	*01/12/16 20:52*	*1*
2,4,6-Tribromophenol	*30*		*15 - 135*	*01/11/16 14:02*	*01/12/16 20:52*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/13/16 03:50	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/13/16 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*01/12/16 11:19*	*01/13/16 03:50*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW6D-ROX-010816

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 12:59	1
Acrolein	ND		20	10	ug/L			01/12/16 12:59	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 12:59	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 12:59	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 12:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 12:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 12:59	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 12:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 12:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 12:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 12:59	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 12:59	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 12:59	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 12:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 12:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 12:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 12:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 12:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 12:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 12:59	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 12:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 12:59	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 12:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 12:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 12:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 12:59	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 12:59	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 12:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 12:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 12:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 12:59	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 12:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 12:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 12:59	1

Client Sample ID: MW6D-ROX-010816

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 12:59	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 12:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 12:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 12:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 12:59	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 12:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 12:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 12:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 12:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 12:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 12:59	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 12:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 12:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 12:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 12:59	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 12:59	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 12:59	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/12/16 12:59*	*1*
Dibromofluoromethane	*93*		*81 - 121*		*01/12/16 12:59*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/12/16 12:59*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 14:11	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:11	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*33 - 136*	*01/11/16 14:02*	*01/13/16 14:11*	*1*
2-Fluorobiphenyl	*90*		*15 - 122*	*01/11/16 14:02*	*01/13/16 14:11*	*1*

Client Sample ID: MW6D-ROX-010816

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-2

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		19 - 130	01/11/16 14:02	01/13/16 14:11	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 21:31	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/12/16 21:31	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 21:31	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 21:31	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 21:31	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 21:31	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 21:31	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/12/16 21:31	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 21:31	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 21:31	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 21:31	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 21:31	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 21:31	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 21:31	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 21:31	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 21:31	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 21:31	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 21:31	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 21:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 21:31	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 21:31	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 21:31	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/12/16 21:31	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 21:31	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 21:31	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 21:31	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 21:31	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 21:31	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 21:31	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 21:31	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 21:31	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 21:31	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 21:31	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 21:31	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 21:31	1

Client Sample ID: MW6D-ROX-010816

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 21:31	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 21:31	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 21:31	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 21:31	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 21:31	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 21:31	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 21:31	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*34 - 120*	*01/11/16 14:02*	*01/12/16 21:31*	*1*
2-Fluorophenol	*54*		*10 - 120*	*01/11/16 14:02*	*01/12/16 21:31*	*1*
Nitrobenzene-d5	*75*		*27 - 120*	*01/11/16 14:02*	*01/12/16 21:31*	*1*
Phenol-d5	*57*		*10 - 120*	*01/11/16 14:02*	*01/12/16 21:31*	*1*
Terphenyl-d14	*38*	*X*	*53 - 125*	*01/11/16 14:02*	*01/12/16 21:31*	*1*
2,4,6-Tribromophenol	*69*		*15 - 135*	*01/11/16 14:02*	*01/12/16 21:31*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/12/16 11:19	01/13/16 04:19	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/12/16 11:19	01/13/16 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*51 - 149*	*01/12/16 11:19*	*01/13/16 04:19*	*1*

Client Sample ID: MW6D-ROX-010816-DUP

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 13:24	1
Acrolein	ND		20	10	ug/L			01/12/16 13:24	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 13:24	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 13:24	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 13:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 13:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 13:24	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 13:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 13:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 13:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 13:24	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 13:24	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 13:24	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
cis-1,3-Dichloropropene	ND		5.0	0.60	ug/L			01/12/16 13:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 13:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 13:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 13:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 13:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 13:24	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 13:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 13:24	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 13:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 13:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 13:24	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 13:24	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 13:24	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 13:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 13:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 13:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 13:24	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 13:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 13:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 13:24	1

Client Sample ID: MW6D-ROX-010816-DUP

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 13:24	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 13:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 13:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 13:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 13:24	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 13:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 13:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 13:24	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 13:24	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 13:24	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 13:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 13:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 13:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.58	ug/L			01/12/16 13:24	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 13:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 13:24	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*01/12/16 13:24*	*1*
Dibromofluoromethane	*93*		*81 - 121*		*01/12/16 13:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/12/16 13:24*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 14:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 14:49	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*68*		*33 - 138*	*01/11/16 14:02*	*01/13/16 14:49*	*1*
2-Fluorobiphenyl	*92*		*15 - 122*	*01/11/16 14:02*	*01/13/16 14:49*	*1*

Client Sample ID: MW6D-ROX-010816-DUP

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-3

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		19 - 130	01/11/16 14:02	01/13/16 14:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 22:10	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/12/16 22:10	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 22:10	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 22:10	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 22:10	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 22:10	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 22:10	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/12/16 22:10	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 22:10	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 22:10	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 22:10	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 22:10	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 22:10	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 22:10	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 22:10	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 22:10	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 22:10	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 22:10	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 22:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 22:10	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 22:10	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 22:10	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/12/16 22:10	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 22:10	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 22:10	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 22:10	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 22:10	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 22:10	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 22:10	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 22:10	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 22:10	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 22:10	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 22:10	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 22:10	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 22:10	1

Client Sample ID: MW6D-ROX-010816-DUP

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 22:10	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 22:10	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 22:10	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 22:10	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 22:10	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 22:10	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 22:10	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*34 - 120*	*01/11/16 14:02*	*01/12/16 22:10*	*1*
2-Fluorophenol	*64*		*10 - 120*	*01/11/16 14:02*	*01/12/16 22:10*	*1*
Nitrobenzene-d5	*84*		*27 - 120*	*01/11/16 14:02*	*01/12/16 22:10*	*1*
Phenol-d5	*70*		*10 - 120*	*01/11/16 14:02*	*01/12/16 22:10*	*1*
Terphenyl-d14	*51*	*X*	*53 - 125*	*01/11/16 14:02*	*01/12/16 22:10*	*1*
2,4,6-Tribromophenol	*78*		*15 - 135*	*01/11/16 14:02*	*01/12/16 22:10*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/13/16 04:49	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/13/16 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*01/12/16 11:19*	*01/13/16 04:49*	*1*

Client Sample ID: MW6C-ROX-010816

Date Collected: 01/08/16 12:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 13:48	1
Acrolein	ND		20	10	ug/L			01/12/16 13:48	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 13:48	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 13:48	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 13:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 13:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 13:48	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 13:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 13:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 13:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 13:48	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 13:48	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 13:48	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 13:48	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 13:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 13:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 13:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 13:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 13:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 13:48	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 13:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 13:48	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 13:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 13:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 13:48	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 13:48	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 13:48	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 13:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 13:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 13:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 13:48	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 13:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 13:48	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 13:48	1

Client Sample ID: MW6C-ROX-010816

Date Collected: 01/08/16 12:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 13:48	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 13:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 13:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 13:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 13:48	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 13:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 13:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 13:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 13:48	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 13:48	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 13:48	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 13:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 13:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 13:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 13:48	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 13:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 13:48	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/12/16 13:48*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/12/16 13:48*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 13:48*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 15:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 15:26	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*33 - 138*	*01/11/16 14:02*	*01/13/16 15:26*	*1*
2-Fluorobiphenyl	*95*		*15 - 122*	*01/11/16 14:02*	*01/13/16 15:26*	*1*

Client Sample ID: MW6C-ROX-010816
Date Collected: 01/08/16 12:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-4
Matrix: Water

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Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	90		19 - 130	01/11/16 14:02	01/13/16 15:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 22:48	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/12/16 22:48	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 22:48	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 22:48	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 22:48	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 22:48	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 22:48	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/12/16 22:48	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 22:48	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 22:48	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 22:48	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 22:48	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 22:48	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 22:48	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 22:48	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 22:48	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 22:48	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 22:48	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 22:48	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 22:48	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 22:48	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 22:48	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/12/16 22:48	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 22:48	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 22:48	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 22:48	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 22:48	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 22:48	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 22:48	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 22:48	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 22:48	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 22:48	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 22:48	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 22:48	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 22:48	1

Client Sample ID: MW6C-ROX-010816

Date Collected: 01/08/16 12:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 22:48	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 22:48	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 22:48	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 22:48	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 22:48	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 22:48	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 22:48	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*34 - 120*	*01/11/16 14:02*	*01/12/16 22:48*	*1*
2-Fluorophenol	*66*		*10 - 120*	*01/11/16 14:02*	*01/12/16 22:48*	*1*
Nitrobenzene-d5	*91*		*27 - 120*	*01/11/16 14:02*	*01/12/16 22:48*	*1*
Phenol-d5	*75*		*10 - 120*	*01/11/16 14:02*	*01/12/16 22:48*	*1*
Terphenyl-d14	*59*		*53 - 125*	*01/11/16 14:02*	*01/12/16 22:48*	*1*
2,4,6-Tribromophenol	*89*		*15 - 135*	*01/11/16 14:02*	*01/12/16 22:48*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0054	ug/L		01/12/16 11:19	01/13/16 05:18	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/12/16 11:19	01/13/16 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*01/12/16 11:19*	*01/13/16 05:18*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010816-8260B

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 14:13	1
Acrolein	ND		20	10	ug/L			01/12/16 14:13	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 14:13	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 14:13	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 14:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 14:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 14:13	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 14:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 14:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 14:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 14:13	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 14:13	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 14:13	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 14:13	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 14:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 14:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 14:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 14:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 14:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 14:13	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 14:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 14:13	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 14:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 14:13	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 14:13	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 14:13	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 14:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 14:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 14:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 14:13	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 14:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 14:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 14:13	1

Client Sample ID: TB-ROX-010816-8260B

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 14:13	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 14:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 14:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 14:13	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 14:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 14:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 14:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 14:13	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 14:13	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 14:13	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 14:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 14:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 14:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 14:13	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 14:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 14:13	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/12/16 14:13*	*1*
Dibromofluoromethane	*92*		*81 - 121*		*01/12/16 14:13*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 14:13*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010816-8011B

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-6

Matrix: Water

6

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/13/16 05:48	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/13/16 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*01/12/16 11:19*	*01/13/16 05:48*	*1*

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and 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.
X	Surrogate is outside control limits

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116100-A-1 MS	Matrix Spike	98	100	101
400-116100-A-1 MSD	Matrix Spike Duplicate	97	98	101
400-116106-1	MW1-ROX-010816	97	96	99
400-116106-2	MW6D-ROX-010816	99	93	99
400-116106-3	MW6D-ROX-010816-DUP	96	93	99
400-116106-4	MW6C-ROX-010816	98	97	97
400-116106-5	TB-ROX-010816-8260B	99	92	97
LCS 400-290145/1002	Lab Control Sample	96	97	99
MB 400-290145/4	Method Blank	98	94	98

Surrogate Legend
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116100-E-1-B MS	Matrix Spike	70	59	75	64	46 X	74
400-116100-E-1-C MSD	Matrix Spike Duplicate	81	68	83	73	49 X	94
400-116106-1	MW1-ROX-010816	79	13	84	30	57	30
400-116106-2	MW6D-ROX-010816	68	54	75	57	38 X	69
400-116106-3	MW6D-ROX-010816-DUP	75	64	84	70	51 X	78
400-116106-4	MW6C-ROX-010816	81	66	91	75	59	89
LCS 400-290095/2-A	Lab Control Sample	59	54	64	63	59	65
LCS 400-290095/3-A	Lab Control Sample	91	80	95	89	86	91
LCSD 400-290095/4-A	Lab Control Sample Dup	87	73	92	84	79	83
MB 400-290095/1-A	Method Blank	67	58	70	67	58	63

Surrogate Legend
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(16-122)	(19-130)
400-116106-1	MW1-ROX-010816	78	99	83
400-116106-2	MW6D-ROX-010816	55	90	81
400-116106-3	MW6D-ROX-010816-DUP	68	92	83
400-116106-4	MW6C-ROX-010816	77	95	90

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116107-F-1-B MS	Matrix Spike	80	87	83
400-116107-F-1-C MSD	Matrix Spike Duplicate	76	90	85
LCS 400-290095/2-A	Lab Control Sample	73	68	67
MB 400-290095/1-A	Method Blank	89	95	78

Surrogate Legend

TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-116100-C-1-B MS	Matrix Spike	99
400-116100-C-1-C MSD	Matrix Spike Duplicate	87
400-116106-1	MW1-ROX-010816	100
400-116106-2	MW6D-ROX-010816	84
400-116106-3	MW6D-ROX-010816-DUP	94
400-116106-4	MW6C-ROX-010816	90
400-116106-6	TB-ROX-010816-8011B	95
LCS 400-290186/2-A	Lab Control Sample	92
MB 400-290186/1-A	Method Blank	95

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: MW1-ROX-010816

Date Collected: 01/08/16 10:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 12:34	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 20:52	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 13:34	CEP	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.8 mL	35 mL	290259	01/13/16 03:50	MAM	TAL PEN

Client Sample ID: MW6D-ROX-010816

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 12:59	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 21:31	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 14:11	CEP	TAL PEN
Total/NA	Prep	8011			33.5 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	33.5 mL	35 mL	290259	01/13/16 04:19	MAM	TAL PEN

Client Sample ID: MW6D-ROX-010816-DUP

Date Collected: 01/08/16 11:15
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 13:24	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 22:10	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 14:49	CEP	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.9 mL	35 mL	290259	01/13/16 04:49	MAM	TAL PEN

Client Sample ID: MW6C-ROX-010816

Date Collected: 01/08/16 12:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 13:48	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 22:48	AJR	TAL PEN

Client Sample ID: MW6C-ROX-010816

Date Collected: 01/08/16 12:10
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 15:26	CEP	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.5 mL	35 mL	290259	01/13/16 05:18	MAM	TAL PEN

Client Sample ID: TB-ROX-010816-8260B

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 14:13	S1S	TAL PEN

Client Sample ID: TB-ROX-010816-8011B

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116106-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.9 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.9 mL	35 mL	290259	01/13/16 05:48	MAM	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290095/2-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:58	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290141	01/12/16 20:47	CEP	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290095/3-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 17:37	AJR	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290145/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 09:02	S1S	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290186/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 21:55	MAM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290095/4-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 18:16	AJR	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290095/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:19	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290141	01/12/16 20:13	CEP	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290145/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290145	01/12/16 10:06	S1S	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290186/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290186	01/12/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 21:26	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 290145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116106-1	MW1-ROX-010816	Total/NA	Water	8260B	
400-116106-2	MW6D-ROX-010816	Total/NA	Water	8260B	
400-116106-3	MW6D-ROX-010816-DUP	Total/NA	Water	8260B	
400-116106-4	MW6C-ROX-010816	Total/NA	Water	8260B	
400-116106-5	TB-ROX-010816-8260B	Total/NA	Water	8260B	
LCS 400-290145/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290145/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 290006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116106-1	MW1-ROX-010816	Total/NA	Water	8270D	290095
400-116106-2	MW6D-ROX-010816	Total/NA	Water	8270D	290095
400-116106-3	MW6D-ROX-010816-DUP	Total/NA	Water	8270D	290095
400-116106-4	MW6C-ROX-010816	Total/NA	Water	8270D	290095
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D	290095
LCS 400-290095/3-A	Lab Control Sample	Total/NA	Water	8270D	290095
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D	290095

Prep Batch: 290095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116106-1	MW1-ROX-010816	Total/NA	Water	3520C	
400-116106-2	MW6D-ROX-010816	Total/NA	Water	3520C	
400-116106-3	MW6D-ROX-010816-DUP	Total/NA	Water	3520C	
400-116106-4	MW6C-ROX-010816	Total/NA	Water	3520C	
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-290095/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290095/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D LL	290095

Analysis Batch: 290285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116106-1	MW1-ROX-010816	Total/NA	Water	8270D LL	290095
400-116106-2	MW6D-ROX-010816	Total/NA	Water	8270D LL	290095
400-116106-3	MW6D-ROX-010816-DUP	Total/NA	Water	8270D LL	290095
400-116106-4	MW6C-ROX-010816	Total/NA	Water	8270D LL	290095

GC Semi VOA

Prep Batch: 290186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116106-1	MW1-ROX-010816	Total/NA	Water	8011	
400-116106-2	MW6D-ROX-010816	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 290186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116106-3	MW6D-ROX-010816-DUP	Total/NA	Water	8011	
400-116106-4	MW6C-ROX-010816	Total/NA	Water	8011	
400-116106-6	TB-ROX-010816-8011B	Total/NA	Water	8011	
LCS 400-290186/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 400-290186/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 290259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116106-1	MW1-ROX-010816	Total/NA	Water	8011	290186
400-116106-2	MW8D-ROX-010816	Total/NA	Water	8011	290186
400-116106-3	MW6D-ROX-010816-DUP	Total/NA	Water	8011	290186
400-116106-4	MW6C-ROX-010816	Total/NA	Water	8011	290186
400-116106-6	TB-ROX-010816-8011B	Total/NA	Water	8011	290186
LCS 400-290186/2-A	Lab Control Sample	Total/NA	Water	8011	290186
MB 400-290186/1-A	Method Blank	Total/NA	Water	8011	290186

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

Lab Sample ID: MB 400-290145/4
Matrix: Water
Analysis Batch: 290145

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 10:06	1
Acrolein	ND		20	10	ug/L			01/12/16 10:06	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 10:06	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 10:06	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 10:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 10:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 10:06	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 10:06	1
2-Butanone (MEK)	ND		25	2.8	ug/L			01/12/16 10:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 10:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 10:06	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 10:06	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 10:06	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 10:06	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 10:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 10:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 10:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 10:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 10:06	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 10:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 10:06	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 10:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 10:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 10:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 10:06	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 10:06	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 10:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 10:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 10:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 10:06	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 10:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 10:06	1

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

Lab Sample ID: MB 400-290145/4
Matrix: Water
Analysis Batch: 290145

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 10:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 10:06	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 10:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 10:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 10:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 10:06	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 10:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 10:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 10:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 10:06	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 10:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 10:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 10:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 10:06	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 10:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 10:06	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 10:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/12/16 10:06*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*01/12/16 10:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/12/16 10:06*	*1*

Lab Sample ID: LCS 400-290145/1002
Matrix: Water
Analysis Batch: 290145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	233		ug/L		117	43 - 160
Acrolein	500	564		ug/L		113	38 - 160
Acrylonitrile	500	489		ug/L		98	64 - 142
Benzene	50.0	46.5		ug/L		93	70 - 130
Bromobenzene	50.0	48.6		ug/L		97	70 - 132
Bromochloromethane	50.0	50.1		ug/L		100	70 - 130
Bromodichloromethane	50.0	45.5		ug/L		91	67 - 133
Bromoform	50.0	46.0		ug/L		92	57 - 140
Bromomethane	50.0	45.3		ug/L		91	10 - 160
2-Butanone (MEK)	200	194		ug/L		97	61 - 145
Carbon disulfide	50.0	42.3		ug/L		85	61 - 137
Carbon tetrachloride	50.0	47.2		ug/L		94	61 - 137
Chlorobenzene	50.0	48.2		ug/L		96	70 - 130
Dibromochloromethane	50.0	46.9		ug/L		94	67 - 135
Chloroethane	50.0	50.5		ug/L		101	55 - 141

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

Lab Sample ID: LCS 400-290145/1002
Matrix: Water
Analysis Batch: 290145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	41.0		ug/L		82	10 - 160
Chloroform	50.0	47.1		ug/L		94	69 - 130
1-Chlorohexane	50.0	50.0		ug/L		100	69 - 130
Chloromethane	50.0	43.5		ug/L		87	58 - 137
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	68 - 130
cis-1,3-Dichloropropene	50.0	45.7		ug/L		91	69 - 132
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	37.0		ug/L		74	41 - 146
1,1-Dichloroethane	50.0	46.5		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	49.2		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	47.0		ug/L		94	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	48.2		ug/L		96	70 - 130
2,2-Dichloropropane	50.0	43.4		ug/L		87	52 - 135
1,1-Dichloropropene	50.0	47.5		ug/L		95	70 - 130
Ethylbenzene	50.0	48.1		ug/L		96	70 - 130
Ethyl methacrylate	50.0	47.4		ug/L		95	68 - 130
Hexachlorobutadiene	50.0	49.2		ug/L		98	53 - 140
2-Hexanone	200	200		ug/L		100	65 - 137
Isopropylbenzene	50.0	48.2		ug/L		96	70 - 130
Methylene bromide	50.0	49.5		ug/L		99	70 - 130
Methylene Chloride	50.0	42.6		ug/L		85	66 - 135
4-Methyl-2-pentanone (MIBK)	200	200		ug/L		100	69 - 138
Methyl tert-butyl ether	50.0	45.0		ug/L		90	66 - 130
m-Xylene & p-Xylene	50.0	48.0		ug/L		96	70 - 130
Naphthalene	50.0	46.8		ug/L		94	47 - 149
n-Butylbenzene	50.0	50.2		ug/L		100	67 - 130
N-Propylbenzene	50.0	48.9		ug/L		98	70 - 130
o-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
o-Xylene	50.0	47.5		ug/L		95	70 - 130
p-Chlorotoluene	50.0	48.0		ug/L		96	70 - 130
p-Isopropyltoluene	50.0	49.0		ug/L		98	65 - 130
sec-Butylbenzene	50.0	48.2		ug/L		96	66 - 130
Styrene	50.0	47.4		ug/L		95	70 - 130
tert-Butylbenzene	50.0	48.6		ug/L		97	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.4		ug/L		97	67 - 131
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/L		95	70 - 131
Tetrachloroethene	50.0	43.8		ug/L		88	65 - 130
Toluene	50.0	46.6		ug/L		93	70 - 130
trans-1,2-Dichloroethene	50.0	46.0		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	46.2		ug/L		92	63 - 130
1,2,3-Trichlorobenzene	50.0	47.9		ug/L		96	60 - 138
1,2,4-Trichlorobenzene	50.0	48.8		ug/L		98	60 - 140
1,1,1-Trichloroethane	50.0	47.1		ug/L		94	68 - 130
1,1,2-Trichloroethane	50.0	47.9		ug/L		96	70 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 130

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

Lab Sample ID: LCS 400-290145/1002
Matrix: Water
Analysis Batch: 290145

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	50.0	49.0		ug/L		98	65 - 138
1,2,3-Trichloropropane	50.0	49.3		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	50.0	48.3		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	47.8		ug/L		96	69 - 130
Vinyl acetate	100	107		ug/L		107	26 - 160
Vinyl chloride	50.0	44.7		ug/L		89	59 - 136
Xylenes, Total	100	95.5		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*78 - 118*
Dibromofluoromethane	*97*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzenethiol	ND		10	1.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 16:19	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/11/16 14:02	01/12/16 16:19	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-octyl phthalate	0.631	J	10	0.44	ug/L		01/11/16 14:02	01/12/16 16:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2-Fluorophenol	*58*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Nitrobenzene-d5	*70*		*27 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Phenol-d5	*67*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Terphenyl-d14	*58*		*53 - 125*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2,4,6-Tribromophenol	*63*		*15 - 135*	*01/11/16 14:02*	*01/12/16 16:19*	*1*

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	19.1		ug/L		64	10 - 145
Benzoic acid	127	32.8		ug/L		26	10 - 120
Benzyl alcohol	30.0	21.2		ug/L		71	51 - 121
Bis(2-chloroethoxy)methane	30.0	20.0		ug/L		67	54 - 123
Bis(2-chloroethyl)ether	30.0	19.4		ug/L		65	47 - 120
bis (2-chloroisopropyl) ether	30.0	19.5		ug/L		65	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	18.9		ug/L		63	62 - 140
4-Bromophenyl phenyl ether	30.0	17.3	*	ug/L		58	62 - 132
Butyl benzyl phthalate	30.0	19.2		ug/L		64	51 - 150

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	15.2		ug/L		51	32 - 128
4-Chloro-3-methylphenol	30.0	20.9		ug/L		70	47 - 135
2-Chloronaphthalene	30.0	18.7		ug/L		62	24 - 150
2-Chlorophenol	30.0	18.1		ug/L		60	45 - 120
4-Chlorophenyl phenyl ether	30.0	19.2		ug/L		64	61 - 133
Dibenz[a,h]acridine	30.0	22.0		ug/L		73	60 - 131
Dibenzofuran	30.0	20.1		ug/L		67	62 - 124
3,3'-Dichlorobenzidine	40.0	24.9		ug/L		62	16 - 167
2,4-Dichlorophenol	30.0	18.8		ug/L		63	52 - 125
Diethyl phthalate	30.0	20.9		ug/L		70	55 - 140
2,4-Dimethylphenol	30.0	19.7		ug/L		66	52 - 121
Dimethyl phthalate	30.0	19.3		ug/L		64	50 - 133
Di-n-butyl phthalate	30.0	21.1		ug/L		70	59 - 144
4,6-Dinitro-ortho-cresol	60.0	35.2		ug/L		59	46 - 136
2,4-Dinitrophenol	110	54.1		ug/L		49	22 - 146
2,4-Dinitrotoluene	30.0	22.2		ug/L		74	54 - 141
2,6-Dinitrotoluene	30.0	19.3		ug/L		64	61 - 130
Di-n-octyl phthalate	30.0	20.8		ug/L		69	55 - 140
1,4-Dioxane	30.0	15.1		ug/L		50	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.1		ug/L		67	55 - 139
Hexachlorobenzene	30.0	19.1		ug/L		64	60 - 138
Hexachlorocyclopentadiene	30.0	15.9	J	ug/L		53	1 - 139
Hexachloroethane	30.0	17.1		ug/L		57	46 - 121
Indene	30.0	17.5		ug/L		58	17 - 141
Isophorone	30.0	20.7		ug/L		69	57 - 122
2-Methylphenol	30.0	19.4		ug/L		65	38 - 121
3 & 4 Methylphenol	30.0	19.9	J	ug/L		66	43 - 126
2-Nitroaniline	30.0	20.8		ug/L		69	52 - 135
3-Nitroaniline	30.0	16.7		ug/L		56	51 - 128
4-Nitroaniline	30.0	20.7		ug/L		69	38 - 141
Nitrobenzene	30.0	19.2		ug/L		64	52 - 128
2-Nitrophenol	30.0	18.1		ug/L		60	47 - 129
4-Nitrophenol	60.0	32.3		ug/L		54	34 - 137
N-Nitrosodimethylamine	30.0	17.8		ug/L		59	21 - 134
N-Nitrosodi-n-propylamine	30.0	21.0		ug/L		70	41 - 143
N-Nitrosodiphenylamine	95.2	40.2		ug/L		42	10 - 185
Pentachlorophenol	60.0	35.3		ug/L		59	38 - 138
Phenol	30.0	19.0		ug/L		63	37 - 120
Pyridine	30.0	16.7		ug/L		56	10 - 127
Quinoline	30.0	19.7		ug/L		66	10 - 164
2,4,5-Trichlorophenol	30.0	19.4		ug/L		65	53 - 130
2,4,6-Trichlorophenol	30.0	18.4		ug/L		61	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*54*		*10 - 120*
Nitrobenzene-d5	*64*		*27 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5	63		10 - 120
Terphenyl-d14	59		53 - 125
2,4,6-Tribromophenol	65		15 - 135

Lab Sample ID: LCS 400-290095/3-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	22.1		ug/L		74	20 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	91		34 - 120
2-Fluorophenol	80		10 - 120
Nitrobenzene-d5	95		27 - 120
Phenol-d5	89		10 - 120
Terphenyl-d14	86		53 - 125
2,4,6-Tribromophenol	91		15 - 135

Lab Sample ID: LCSD 400-290095/4-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	15.4	*	ug/L		51	20 - 150	36	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	87		34 - 120
2-Fluorophenol	73		10 - 120
Nitrobenzene-d5	92		27 - 120
Phenol-d5	84		10 - 120
Terphenyl-d14	79		53 - 125
2,4,6-Tribromophenol	83		15 - 135

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/12/16 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*89*		*33 - 138*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
2-Fluorobiphenyl	*95*		*15 - 122*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
Nitrobenzene-d5	*78*		*19 - 130*	*01/11/16 14:02*	*01/12/16 20:13*	*1*

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	21.8		ug/L		73	41 - 120
Acenaphthylene	30.0	22.2		ug/L		74	44 - 120
Anthracene	30.0	21.0		ug/L		70	49 - 120
Benzo[a]anthracene	30.0	20.2		ug/L		67	61 - 135
Benzo[a]pyrene	30.0	23.0		ug/L		77	52 - 120
Benzo[b]fluoranthene	30.0	23.3		ug/L		78	53 - 134
Benzo[g,h,i]perylene	30.0	19.0		ug/L		63	47 - 133
Benzo[k]fluoranthene	30.0	25.5		ug/L		85	57 - 134
Chrysene	30.0	22.5		ug/L		75	55 - 122
Dibenz(a,h)anthracene	30.0	21.4		ug/L		71	48 - 146
Fluoranthene	30.0	20.8		ug/L		69	54 - 128
Fluorene	30.0	23.6		ug/L		79	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	19.9		ug/L		66	43 - 142
Phenanthrene	30.0	20.6		ug/L		69	48 - 120
Pyrene	30.0	21.4		ug/L		71	48 - 132
1-Methylnaphthalene	30.0	22.6		ug/L		75	41 - 120
2-Methylnaphthalene	30.0	22.6		ug/L		75	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*73*		*33 - 138*
2-Fluorobiphenyl	*68*		*15 - 122*
Nitrobenzene-d5	*67*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290186/1-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 11:19	01/12/16 21:26	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 11:19	01/12/16 21:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*01/12/16 11:19*	*01/12/16 21:26*	*1*

Lab Sample ID: LCS 400-290186/2-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0812		ug/L		81	60 - 140
1,2-Dibromoethane	0.100	0.0955		ug/L		95	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)
Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box
☐ SGW PDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name: Bob Billman
PO #: 60477387 - 1.03.001/1.030011
PlaNet Site or Project ID: 25278
GSAP Project ID: USPCI00114/R02
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 8 JAN. 2016
PAGE: 1 of 1

SAMPLING COMPANY: AECOM
JOB CODE:
ADDRESS: 5003 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
TELEPHONE: 314-429-0100 FAX: 314-429-0462
SEND COPIES E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Client ID
SAMPLER NAME(S) (Print): B. KOCA / D. HAXEL
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:
DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD
TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
UNIT COST 60477387 - 1.03.0011
NON-UNIT COST 60477387 - 1.03.001

400-116105 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8011	PAH 8270LL	VOC 8260	SVOC 8270	Container PID Readings or Laboratory Notes
	MW1-ROX-010816	1/5/16	1010	Water	4			3		7	X	X	X	X	
	MW6D-ROX-010816		1115		4			3		7	X	X	X	X	
	MW6D-ROX-010816-DUP		1115		4			3		7	X	X	X	X	
	MW6C-ROX-010816		1210		4			3		7	X	X	X	X	
	TB-ROX-010816-8260B		0000		2					2			X		
	TB-ROX-010816-8011B		0000		2					2	X				

8 JAN. 2016

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Fed Ex 8092 2040 8010	1-8-16	1730
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		1-9-16	10:08

Version: 14Dec15

Custody Seal # 523242
523243

0.8°c, 1.1°c, 1.3°c, 0.5°c IR5

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1/21/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116106-1
SDG Number: Proj. 60477387-1.03.001/1.03.0011

Login Number: 116106
List Number: 1
Creator: Hooper, Carolyn D

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	0.8°C, 1.1°C, 1.3°C, 0.5°C IR-5
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116106-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116107-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 1/28/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW14-ROX-010816	P66-ROX-010816
P66-ROX-010816-UN	P-93C-ROX-010816
TB-ROX-010816-8011-A	TB-ROX-010816-8260-A
TB-ROX-010816-8260-UN-A	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that di-n-octyl phthalate was detected in the method blank. The SVOC LCS recovery for 4-bromophenyl phenyl ether and SVOC LCS/LCSD RPD for benzenethiol were outside evaluation criteria. The VOC surrogate recovery for 4-bromofluorobenzene was outside criteria in samples P66-ROX-010816 and P66-ROX-010816-UN. 2-Chloroethyl vinyl ether and 1,2-dibromo-3-chloropropane MS/MSD recoveries and MS/MSD RPDs were outside evaluation criteria in sample MW14-ROX-010816. Professional judgment was used to qualify 1-methylnaphthalene in sample P66-ROX-010816 due to an exceedance of the calibration range of the instrument. These issues are addressed further in the appropriate sections below.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative, with the exception of samples P66-ROX-010816-UN and TB-ROX-010816-UN-A which were not HCl preserved.

The cooler receipt form indicated that four of four coolers were received by the laboratory at temperatures of 0.5°C, 0.8°C, 1.1°C, and 1.3°C, which are outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration/ Amount
MB 400-290095/1-A	SVOCs	Di-n-octyl phthalate	0.631 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD /RPD Criteria
LCS 400-290095/2-A	SVOCs	4-Bromophenyl phenyl ether	**58**	NA	62-132
LCS/LCSD 400-290095/3-A/4-A	SVOCs	Benzenethiol	74/51	**36**	20-150/30

Analytical data that required qualification based on LCS data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPDs above evaluation criteria did not require qualification if LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-010816	SVOCs	4-Bromophenyl phenyl ether	**UJ**
P66-ROX-010816	SVOCs	4-Bromophenyl phenyl ether	**UJ**
P-93C-ROX-010816	SVOCs	4-Bromophenyl phenyl ether	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P66-ROX-010816	VOCs	4-Bromofluorobenzene	**121**	78-118
P66-ROX-010816-UN	VOCs	4-Bromofluorobenzene	**124**	78-118

Qualifications due to surrogate recoveries were not required due to only one surrogate recovery being outside evaluation criteria in each sample. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, sample MW14-ROX-010816 was spiked and analyzed for Method 8260 VOCs, Method 8011 VOCs, SVOCs, and PAHs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW14-ROX-010816	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50
MW14-ROX-010816	VOCs by 8011	1,2-Dibromo-3-chloropropane	135/**187**	**29**	65-135/20

LCS/LCSD recoveries were within evaluation criteria; no further qualification of data was required.

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the concentration of 1-methylnaphthalene exceeded the calibration range of the instrument in sample P66-ROX-010816. Qualifications due to 1-methylnaphthalene exceeding calibration range are summarized in the table below.

Sample ID	Parameter	Analyte	Qualification	Comment
P66-ROX-010816	PAHs	1-Methylnaphthalene	**J**	Professional Judgment

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116107-1
TestAmerica SDG: Proj. 60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn S. Hooper

Authorized for release by:
1/21/2016 6:46:49 PM

Carolyn Hooper, Project Manager I
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LINKS

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Reviewed 1/28/16 ebk

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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Job ID: 400-116107-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116107-1

Receipt
The samples were received on 1/9/2016 10:08 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.5°C, 0.8°C, 1.1°C and 1.3°C.

GC/MS VOA
Method 8260B: Surrogate recovery for the following samples was outside control limits: P-66-ROX-010816 (400-116107-2) and P-66-ROX-010816-UN (400-116107-3). Evidence of matrix interference is present.

The RPD for the MS/MSD for 2-chloroethylvinyl ether was not calculable for batch 290135 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 290135 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-14-ROX-010816 (400-116107-1), P-66-ROX-010816 (400-116107-2), P-93C-ROX-010816 (400-116107-4) and TB-ROX-010816-8260-A (400-116107-6). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

GC/MS Semi VOA
Method 8270D: The method blank for preparation batch 400-290095 and analytical batch 400-290006 contained Di-n-octyl phthalate 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.

The following analyte recovered outside control limits for the LCS associated with preparation batch 400-290095 and analytical batch 400-290006: 4-Bromophenyl phenyl ether. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 290095 recovered outside control limits for the following analytes: Benzenethiol.

GC Semi VOA
Method 8011: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-290215 and analytical batch 400-290259 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116107-1	MW-14-ROX-010816	Water	01/08/16 10:40	01/09/16 10:08
400-116107-2	P-66-ROX-010816	Water	01/08/16 12:05	01/09/16 10:08
400-116107-3	P-66-ROX-010816-UN	Water	01/08/16 12:05	01/09/16 10:08
400-116107-4	P-93C-ROX-010816	Water	01/08/16 15:05	01/09/16 10:08
400-116107-5	TB-ROX-010816-8011-A	Water	01/08/16 00:00	01/09/16 10:08
400-116107-6	TB-ROX-010816-8260-A	Water	01/08/16 00:00	01/09/16 10:08
400-116107-7	TB-ROX-010816-8260-UN-A	Water	01/08/16 00:00	01/09/16 10:08

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW-14-ROX-010816

Lab Sample ID: 400-116107-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.15	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.054	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.046	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[g,h,i]perylene	0.075	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[k]fluoranthene	0.048	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Fluorene	0.095	J	0.20	0.021	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.066	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.13	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: P-66-ROX-010816

Lab Sample ID: 400-116107-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		1.0	0.38	ug/L	1		8260B	Total/NA
Isopropylbenzene	85		1.0	0.53	ug/L	1		8260B	Total/NA
N-Propylbenzene	83		1.0	0.69	ug/L	1		8260B	Total/NA
sec-Butylbenzene	10		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.9		1.0	0.63	ug/L	1		8260B	Total/NA
Toluene	1.2		1.0	0.70	ug/L	1		8260B	Total/NA
Acenaphthene	0.71		0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.22		0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.037	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	1.2		0.20	0.021	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.049	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.55		0.20	0.020	ug/L	1		8270D LL	Total/NA
Pyrene	0.043	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	84	E J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	10		0.20	0.020	ug/L	1		8270D LL	Total/NA
Dibenzofuran	1.2	J	10	0.52	ug/L	1		8270D	Total/NA

Client Sample ID: P-66-ROX-010816-UN

Lab Sample ID: 400-116107-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13	J	25	10	ug/L	1		8260B	Total/NA
Benzene	1.3		1.0	0.38	ug/L	1		8260B	Total/NA
Isopropylbenzene	100		1.0	0.53	ug/L	1		8260B	Total/NA
N-Propylbenzene	99		1.0	0.69	ug/L	1		8260B	Total/NA
sec-Butylbenzene	13		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.1		1.0	0.63	ug/L	1		8260B	Total/NA
Toluene	1.2		1.0	0.70	ug/L	1		8260B	Total/NA

Client Sample ID: P-93C-ROX-010816

Lab Sample ID: 400-116107-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	40		1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	2.1		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: TB-ROX-010816-8011-A

Lab Sample ID: 400-116107-5

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010816-8260-A

Lab Sample ID: 400-116107-6

No Detections.

Client Sample ID: TB-ROX-010816-8260-UN-A

Lab Sample ID: 400-116107-7

No Detections.

5

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW-14-ROX-010816
Date Collected: 01/08/16 10:40
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 10:14	1
Acrolein	ND		20	10	ug/L			01/12/16 10:14	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 10:14	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 10:14	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 10:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 10:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 10:14	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 10:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 10:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 10:14	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			01/12/16 10:14	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 10:14	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 10:14	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 10:14	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 10:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 10:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 10:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 10:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 10:14	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 10:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 10:14	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 10:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 10:14	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 10:14	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/L			01/12/16 10:14	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 10:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 10:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 10:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 10:14	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 10:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 10:14	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 10:14	1

Client Sample ID: MW-14-ROX-010816

Date Collected: 01/08/16 10:40
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 10:14	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 10:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 10:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 10:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 10:14	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 10:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 10:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 10:14	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:14	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 10:14	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 10:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 10:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 10:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 10:14	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 10:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 10:14	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*		*78 - 118*		*01/12/16 10:14*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/12/16 10:14*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 10:14*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.15	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Benzo[a]pyrene	0.054	J	0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Benzo[b]fluoranthene	0.046	J	0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Benzo[g,h,i]perylene	0.075	J	0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Benzo[k]fluoranthene	0.048	J	0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1
Fluorene	0.095	J	0.20	0.021	ug/L		01/11/16 14:02	01/13/16 17:18	1
Indeno[1,2,3-cd]pyrene	0.066	J	0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:18	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1
1-Methylnaphthalene	0.13	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*76*		*33 - 138*	*01/11/16 14:02*	*01/13/16 17:18*	*1*
2-Fluorobiphenyl	*90*		*15 - 122*	*01/11/16 14:02*	*01/13/16 17:18*	*1*

Client Sample ID: MW-14-ROX-010816

Date Collected: 01/08/16 10:40
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-1

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		19 - 130	01/11/16 14:02	01/13/16 17:18	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 18:10	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/13/16 18:10	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/13/16 18:10	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 18:10	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/13/16 18:10	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/13/16 18:10	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/13/16 18:10	1
4-Bromophenyl phenyl ether	ND	* U	10	0.32	ug/L		01/11/16 14:02	01/13/16 18:10	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 18:10	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/13/16 18:10	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 18:10	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 18:10	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 18:10	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 18:10	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 18:10	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/13/16 18:10	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 18:10	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/13/16 18:10	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/13/16 18:10	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/13/16 18:10	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 18:10	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 18:10	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/13/16 18:10	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/13/16 18:10	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/13/16 18:10	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/13/16 18:10	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/13/16 18:10	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 18:10	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 18:10	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 18:10	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/13/16 18:10	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/13/16 18:10	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/13/16 18:10	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/13/16 18:10	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 18:10	1

Client Sample ID: MW-14-ROX-010816

Date Collected: 01/08/16 10:40
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/13/16 18:10	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/13/16 18:10	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/13/16 18:10	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 18:10	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/13/16 18:10	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/13/16 18:10	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/13/16 18:10	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*34 - 120*	*01/11/16 14:02*	*01/13/16 18:10*	*1*
2-Fluorophenol	*71*		*10 - 120*	*01/11/16 14:02*	*01/13/16 18:10*	*1*
Nitrobenzene-d5	*90*		*27 - 120*	*01/11/16 14:02*	*01/13/16 18:10*	*1*
Phenol-d5	*76*		*10 - 120*	*01/11/16 14:02*	*01/13/16 18:10*	*1*
Terphenyl-d14	*63*		*53 - 125*	*01/11/16 14:02*	*01/13/16 18:10*	*1*
2,4,6-Tribromophenol	*90*		*15 - 135*	*01/11/16 14:02*	*01/13/16 18:10*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	F2 F1	0.028	0.0052	ug/L		01/12/16 13:56	01/12/16 17:58	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		01/12/16 13:56	01/12/16 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*51 - 149*	*01/12/16 13:56*	*01/12/16 17:58*	*1*

Client Sample ID: P-66-ROX-010816

Date Collected: 01/08/16 12:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 14:26	1
Acrolein	ND		20	10	ug/L			01/12/16 14:26	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 14:26	1
Benzene	1.3		1.0	0.38	ug/L			01/12/16 14:26	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 14:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 14:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 14:26	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 14:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 14:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 14:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 14:26	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 14:26	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 14:26	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 14:26	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 14:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 14:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 14:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 14:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 14:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 14:26	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 14:26	1
Isopropylbenzene	85		1.0	0.53	ug/L			01/12/16 14:26	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 14:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 14:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 14:26	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 14:26	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 14:26	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 14:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 14:26	1
N-Propylbenzene	83		1.0	0.69	ug/L			01/12/16 14:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 14:26	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 14:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 14:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 14:26	1

Client Sample ID: P-66-ROX-010816

Date Collected: 01/08/16 12:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	10		1.0	0.70	ug/L			01/12/16 14:26	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 14:26	1
tert-Butylbenzene	1.9		1.0	0.63	ug/L			01/12/16 14:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 14:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 14:26	1
Toluene	1.2		1.0	0.70	ug/L			01/12/16 14:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 14:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 14:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 14:26	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 14:26	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 14:26	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 14:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 14:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 14:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 14:26	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 14:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 14:26	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*121*	X	*78 - 118*		*01/12/16 14:26*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*01/12/16 14:26*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/12/16 14:26*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.71		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1
Acenaphthylene	0.22		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Fluoranthene	0.037	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1
Fluorene	1.2		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 17:55	1
Indeno[1,2,3-cd]pyrene	0.049	J	0.20	0.040	ug/L		01/11/16 14:02	01/13/16 17:55	1
Phenanthrene	0.55		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1
Pyrene	0.043	J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1
1-Methylnaphthalene	84	E J	0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1
2-Methylnaphthalene	10		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*33 - 138*	*01/11/16 14:02*	*01/13/16 17:55*	*1*
2-Fluorobiphenyl	*77*		*15 - 122*	*01/11/16 14:02*	*01/13/16 17:55*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		19 - 130	01/11/16 14:02	01/13/16 17:55	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 18:49	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/13/16 18:49	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/13/16 18:49	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 18:49	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/13/16 18:49	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/13/16 18:49	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/13/16 18:49	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/13/16 18:49	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 18:49	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/13/16 18:49	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 18:49	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 18:49	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 18:49	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
Dibenzofuran	1.2	J	10	0.52	ug/L		01/11/16 14:02	01/13/16 18:49	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 18:49	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/13/16 18:49	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 18:49	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/13/16 18:49	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/13/16 18:49	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/13/16 18:49	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 18:49	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 18:49	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/13/16 18:49	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/13/16 18:49	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/13/16 18:49	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/13/16 18:49	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/13/16 18:49	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 18:49	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 18:49	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 18:49	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/13/16 18:49	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/13/16 18:49	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/13/16 18:49	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/13/16 18:49	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 18:49	1

Client Sample ID: P-66-ROX-010816

Date Collected: 01/08/16 12:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/13/16 18:49	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/13/16 18:49	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/13/16 18:49	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 18:49	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/13/16 18:49	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/13/16 18:49	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/13/16 18:49	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*34 - 120*	*01/11/16 14:02*	*01/13/16 18:49*	*1*
2-Fluorophenol	*77*		*10 - 120*	*01/11/16 14:02*	*01/13/16 18:49*	*1*
Nitrobenzene-d5	*97*		*27 - 120*	*01/11/16 14:02*	*01/13/16 18:49*	*1*
Phenol-d5	*87*		*10 - 120*	*01/11/16 14:02*	*01/13/16 18:49*	*1*
Terphenyl-d14	*59*		*53 - 125*	*01/11/16 14:02*	*01/13/16 18:49*	*1*
2,4,6-Tribromophenol	*107*		*15 - 135*	*01/11/16 14:02*	*01/13/16 18:49*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.028	0.0052	ug/L		01/12/16 13:56	01/12/16 19:28	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		01/12/16 13:56	01/12/16 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*51 - 149*	*01/12/16 13:56*	*01/12/16 19:28*	*1*

Client Sample ID: P-66-ROX-010816-UN

Date Collected: 01/08/16 12:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 10:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 10:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 10:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 10:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 10:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 10:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 10:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 10:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 10:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 10:39	1
2-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 10:39	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 10:39	1
4-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 10:39	1
Acetone	13	J	25	10	ug/L			01/12/16 10:39	1
Acrolein	ND		20	10	ug/L			01/12/16 10:39	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 10:39	1
Benzene	1.3		1.0	0.38	ug/L			01/12/16 10:39	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 10:39	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 10:39	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 10:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 10:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 10:39	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 10:39	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 10:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:39	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 10:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 10:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 10:39	1
Isopropylbenzene	100		1.0	0.53	ug/L			01/12/16 10:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 10:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 10:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 10:39	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P-66-ROX-010816-UN
Date Collected: 01/08/16 12:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 10:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 10:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 10:39	1
N-Propylbenzene	99		1.0	0.69	ug/L			01/12/16 10:39	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 10:39	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 10:39	1
sec-Butylbenzene	13		1.0	0.70	ug/L			01/12/16 10:39	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 10:39	1
tert-Butylbenzene	2.1		1.0	0.63	ug/L			01/12/16 10:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 10:39	1
Toluene	1.2		1.0	0.70	ug/L			01/12/16 10:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 10:39	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 10:39	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 10:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 10:39	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 10:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 10:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 10:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*124*	*X*	*78 - 118*		*01/12/16 10:39*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/12/16 10:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/12/16 10:39*	*1*

Client Sample ID: P-93C-ROX-010816

Date Collected: 01/08/16 15:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 18:41	1
Acrolein	ND		20	10	ug/L			01/12/16 18:41	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 18:41	1
Benzene	40		1.0	0.38	ug/L			01/12/16 18:41	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 18:41	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 18:41	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 18:41	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 18:41	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 18:41	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 18:41	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 18:41	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 18:41	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 18:41	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 18:41	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 18:41	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 18:41	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 18:41	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 18:41	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 18:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 18:41	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 18:41	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 18:41	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 18:41	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 18:41	1
Methyl tert-butyl ether	2.1		1.0	0.74	ug/L			01/12/16 18:41	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 18:41	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 18:41	1
n-Butylbenzene	ND		1.0	0.78	ug/L			01/12/16 18:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 18:41	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 18:41	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 18:41	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 18:41	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 18:41	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 18:41	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 18:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 18:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 18:41	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 18:41	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 18:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 18:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 18:41	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 18:41	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 18:41	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 18:41	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 18:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 18:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 18:41	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 18:41	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 18:41	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*		*78 - 118*		*01/12/16 18:41*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/12/16 18:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/12/16 18:41*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/13/16 18:32	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/13/16 18:32	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/13/16 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*74*		*33 - 138*	*01/11/16 14:02*	*01/13/16 18:32*	*1*
2-Fluorobiphenyl	*89*		*15 - 122*	*01/11/16 14:02*	*01/13/16 18:32*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P-93C-ROX-010816
Date Collected: 01/08/16 15:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	88		19 - 130	01/11/16 14:02	01/13/16 18:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 19:28	1
Benzenethiol	ND	*	10	1.7	ug/L		01/11/16 14:02	01/13/16 19:28	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/13/16 19:28	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 19:28	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/13/16 19:28	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/13/16 19:28	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/13/16 19:28	1
4-Bromophenyl phenyl ether	ND	* UJ	10	0.32	ug/L		01/11/16 14:02	01/13/16 19:28	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/13/16 19:28	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/13/16 19:28	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/13/16 19:28	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 19:28	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 19:28	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/13/16 19:28	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 19:28	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/13/16 19:28	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 19:28	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/13/16 19:28	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/13/16 19:28	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/13/16 19:28	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 19:28	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/13/16 19:28	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/11/16 14:02	01/13/16 19:28	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/13/16 19:28	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/13/16 19:28	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/13/16 19:28	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/13/16 19:28	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 19:28	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/13/16 19:28	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/13/16 19:28	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/13/16 19:28	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/13/16 19:28	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/13/16 19:28	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/13/16 19:28	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 19:28	1

Client Sample ID: P-93C-ROX-010816

Date Collected: 01/08/16 15:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-4

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/13/16 19:28	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/13/16 19:28	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/13/16 19:28	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/13/16 19:28	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/13/16 19:28	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/13/16 19:28	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/13/16 19:28	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/13/16 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*34 - 120*	*01/11/16 14:02*	*01/13/16 19:28*	*1*
2-Fluorophenol	*69*		*10 - 120*	*01/11/16 14:02*	*01/13/16 19:28*	*1*
Nitrobenzene-d5	*94*		*27 - 120*	*01/11/16 14:02*	*01/13/16 19:28*	*1*
Phenol-d5	*79*		*10 - 120*	*01/11/16 14:02*	*01/13/16 19:28*	*1*
Terphenyl-d14	*72*		*53 - 125*	*01/11/16 14:02*	*01/13/16 19:28*	*1*
2,4,6-Tribromophenol	*92*		*15 - 135*	*01/11/16 14:02*	*01/13/16 19:28*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.028	0.0052	ug/L		01/12/16 13:56	01/12/16 19:57	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		01/12/16 13:56	01/12/16 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*51 - 149*	*01/12/16 13:56*	*01/12/16 19:57*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010816-8011-A

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-5

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/12/16 13:56	01/12/16 20:27	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/12/16 13:56	01/12/16 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*51 - 149*	*01/12/16 13:56*	*01/12/16 20:27*	*1*

Client Sample ID: TB-ROX-010816-8260-A

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/12/16 15:16	1
Acrolein	ND		20	10	ug/L			01/12/16 15:16	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 15:16	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 15:16	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 15:16	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 15:16	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 15:16	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 15:16	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 15:16	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 15:16	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 15:16	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 15:16	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 15:16	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 15:16	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 15:16	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 15:16	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 15:16	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 15:16	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 15:16	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 15:16	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 15:16	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 15:16	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 15:16	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 15:16	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 15:16	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 15:16	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 15:16	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 15:16	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 15:16	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 15:16	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 15:16	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 15:16	1

Client Sample ID: TB-ROX-010816-8260-A

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 15:16	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 15:16	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 15:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 15:16	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 15:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 15:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 15:16	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 15:16	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 15:16	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 15:16	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 15:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 15:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 15:16	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 15:16	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 15:16	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*78 - 118*		*01/12/16 15:16*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/12/16 15:16*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/16 15:16*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010816-8260-UN-A

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 18:15	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 18:15	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 18:15	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 18:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 18:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 18:15	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 18:15	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 18:15	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 18:15	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 18:15	1
2-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 18:15	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 18:15	1
4-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 18:15	1
Acetone	ND		25	10	ug/L			01/12/16 18:15	1
Acrolein	ND		20	10	ug/L			01/12/16 18:15	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 18:15	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 18:15	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 18:15	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 18:15	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 18:15	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 18:15	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 18:15	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 18:15	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 18:15	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 18:15	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 18:15	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 18:15	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 18:15	1
Bromodichloromethane	ND		1.0	0.60	ug/L			01/12/16 18:15	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 18:15	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 18:15	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 18:15	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 18:15	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 18:15	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 18:15	1

Client Sample ID: TB-ROX-010816-8260-UN-A

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 18:15	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 18:15	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 18:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 18:15	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 18:15	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 18:15	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 18:15	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 18:15	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 18:15	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 18:15	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 18:15	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 18:15	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 18:15	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 18:15	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 18:15	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 18:15	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 18:15	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 18:15	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*78 - 118*		*01/12/16 18:15*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/12/16 18:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/12/16 18:15*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and 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.
E	Result exceeded calibration range.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116107-1	MW-14-ROX-010816	115	98	97
400-116107-1 MS	MW-14-ROX-010816	116	102	98
400-116107-1 MSD	MW-14-ROX-010816	117	103	98
400-116107-2	P-66-ROX-010816	121 X	94	99
400-116107-3	P-66-ROX-010816-UN	124 X	95	99
400-116107-4	P-93C-ROX-010816	117	96	98
400-116107-6	TB-ROX-010816-8260-A	114	97	97
400-116107-7	TB-ROX-010816-8260-UN-A	116	97	96
LCS 400-290135/1002	Lab Control Sample	115	101	98
MB 400-290135/4	Method Blank	111	97	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116107-1	MW-14-ROX-010816	82	71	90	76	63	90
400-116107-1 MS	MW-14-ROX-010816	82	69	86	75	90	102
400-116107-1 MSD	MW-14-ROX-010816	88	72	91	76	80	106
400-116107-2	P-66-ROX-010816	84	77	97	87	59	107
400-116107-4	P-93C-ROX-010816	85	69	94	79	72	92
LCS 400-290095/2-A	Lab Control Sample	59	54	64	63	59	65
LCSD 400-290095/4-A	Lab Control Sample Dup	87	73	92	84	79	83
MB 400-290095/1-A	Method Blank	67	58	70	67	58	63

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116107-1	MW-14-ROX-010816	76	90	81
400-116107-1 MS	MW-14-ROX-010816	80	87	83
400-116107-1 MSD	MW-14-ROX-010816	76	90	85
400-116107-2	P-66-ROX-010816	67	77	78
400-116107-4	P-93C-ROX-010816	74	89	88

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
LCS 400-290095/2-A	Lab Control Sample	73	68	67
MB 400-290095/1-A	Method Blank	89	95	78

Surrogate Legend

TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-116107-1	MW-14-ROX-010816	112
400-116107-1 MS	MW-14-ROX-010816	98
400-116107-1 MSD	MW-14-ROX-010816	98
400-116107-2	P-66-ROX-010816	110
400-116107-4	P-93C-ROX-010816	102
400-116107-5	TB-ROX-010816-8011-A	105
LCS 400-290215/2-A	Lab Control Sample	108
MB 400-290215/1-A	Method Blank	90

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW-14-ROX-010816

Date Collected: 01/08/16 10:40
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 10:14	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290245	01/13/16 18:10	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 17:18	CEP	TAL PEN
Total/NA	Prep	8011			36.9 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	36.9 mL	35 mL	290259	01/12/16 17:58	MAM	TAL PEN

Client Sample ID: P-66-ROX-010816

Date Collected: 01/08/16 12:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 14:26	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290245	01/13/16 18:49	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 17:55	CEP	TAL PEN
Total/NA	Prep	8011			37.2 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	37.2 mL	35 mL	290259	01/12/16 19:28	MAM	TAL PEN

Client Sample ID: P-66-ROX-010816-UN

Date Collected: 01/08/16 12:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 10:39	WPD	TAL PEN

Client Sample ID: P-93C-ROX-010816

Date Collected: 01/08/16 15:05
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 18:41	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290245	01/13/16 19:28	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290285	01/13/16 18:32	CEP	TAL PEN
Total/NA	Prep	8011			37.3 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	37.3 mL	35 mL	290259	01/12/16 19:57	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-010816-8011-A

Lab Sample ID: 400-116107-5
Matrix: Water

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			36.2 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	36.2 mL	35 mL	290259	01/12/16 20:27	MAM	TAL PEN

Client Sample ID: TB-ROX-010816-8260-A

Lab Sample ID: 400-116107-6
Matrix: Water

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 15:16	WPD	TAL PEN

Client Sample ID: TB-ROX-010816-8260-UN-A

Lab Sample ID: 400-116107-7
Matrix: Water

Date Collected: 01/08/16 00:00
Date Received: 01/09/16 10:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 18:15	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:58	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290141	01/12/16 20:47	CEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290135/1002
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 08:59	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290215/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 17:29	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290095/4-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 18:16	AJR	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290095/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290006	01/12/16 16:19	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290141	01/12/16 20:13	CEP	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290135/4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 09:50	WPD	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290215/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290259	01/12/16 16:59	MAM	TAL PEN

Client Sample ID: MW-14-ROX-010816

Date Collected: 01/08/16 10:40
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-1 MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 12:44	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290245	01/13/16 16:52	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290285	01/13/16 16:03	CEP	TAL PEN
Total/NA	Prep	8011			35.2 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	35.2 mL	35 mL	290259	01/12/16 18:28	MAM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW-14-ROX-010816

Date Collected: 01/08/16 10:40
Date Received: 01/09/16 10:08

Lab Sample ID: 400-116107-1 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290135	01/12/16 13:10	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290245	01/13/16 17:31	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290095	01/11/16 14:02	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290285	01/13/16 16:41	CEP	TAL PEN
Total/NA	Prep	8011			36.3 mL	35 mL	290215	01/12/16 13:56	AM	TAL PEN
Total/NA	Analysis	8011		1	36.3 mL	35 mL	290259	01/12/16 18:58	MAM	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 290135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116107-1	MW-14-ROX-010816	Total/NA	Water	8260B	
400-116107-1 MS	MW-14-ROX-010816	Total/NA	Water	8260B	
400-116107-1 MSD	MW-14-ROX-010816	Total/NA	Water	8260B	
400-116107-2	P-66-ROX-010816	Total/NA	Water	8260B	
400-116107-3	P-66-ROX-010816-UN	Total/NA	Water	8260B	
400-116107-4	P-93C-ROX-010816	Total/NA	Water	8260B	
400-116107-6	TB-ROX-010816-8260-A	Total/NA	Water	8260B	
400-116107-7	TB-ROX-010816-8260-UN-A	Total/NA	Water	8260B	
LCS 400-290135/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290135/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Analysis Batch: 290006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D	290095
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D	290095

Prep Batch: 290095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116107-1	MW-14-ROX-010816	Total/NA	Water	3520C	
400-116107-1 MS	MW-14-ROX-010816	Total/NA	Water	3520C	
400-116107-1 MSD	MW-14-ROX-010816	Total/NA	Water	3520C	
400-116107-2	P-66-ROX-010816	Total/NA	Water	3520C	
400-116107-4	P-93C-ROX-010816	Total/NA	Water	3520C	
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290095/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290095/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-290095/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290095
MB 400-290095/1-A	Method Blank	Total/NA	Water	8270D LL	290095

Analysis Batch: 290245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116107-1	MW-14-ROX-010816	Total/NA	Water	8270D	290095
400-116107-1 MS	MW-14-ROX-010816	Total/NA	Water	8270D	290095
400-116107-1 MSD	MW-14-ROX-010816	Total/NA	Water	8270D	290095
400-116107-2	P-66-ROX-010816	Total/NA	Water	8270D	290095
400-116107-4	P-93C-ROX-010816	Total/NA	Water	8270D	290095

Analysis Batch: 290285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116107-1	MW-14-ROX-010816	Total/NA	Water	8270D LL	290095
400-116107-1 MS	MW-14-ROX-010816	Total/NA	Water	8270D LL	290095
400-116107-1 MSD	MW-14-ROX-010816	Total/NA	Water	8270D LL	290095
400-116107-2	P-66-ROX-010816	Total/NA	Water	8270D LL	290095
400-116107-4	P-93C-ROX-010816	Total/NA	Water	8270D LL	290095

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

GC Semi VOA

Prep Batch: 290215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116107-1	MW-14-ROX-010816	Total/NA	Water	8011	
400-116107-1 MS	MW-14-ROX-010816	Total/NA	Water	8011	
400-116107-1 MSD	MW-14-ROX-010816	Total/NA	Water	8011	
400-116107-2	P-66-ROX-010816	Total/NA	Water	8011	
400-116107-4	P-93C-ROX-010816	Total/NA	Water	8011	
400-116107-5	TB-ROX-010816-8011-A	Total/NA	Water	8011	
LCS 400-290215/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 400-290215/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 290259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116107-1	MW-14-ROX-010816	Total/NA	Water	8011	290215
400-116107-1 MS	MW-14-ROX-010816	Total/NA	Water	8011	290215
400-116107-1 MSD	MW-14-ROX-010816	Total/NA	Water	8011	290215
400-116107-2	P-66-ROX-010816	Total/NA	Water	8011	290215
400-116107-4	P-93C-ROX-010816	Total/NA	Water	8011	290215
400-116107-5	TB-ROX-010816-8011-A	Total/NA	Water	8011	290215
LCS 400-290215/2-A	Lab Control Sample	Total/NA	Water	8011	290215
MB 400-290215/1-A	Method Blank	Total/NA	Water	8011	290215

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

Lab Sample ID: MB 400-290135/4
Matrix: Water
Analysis Batch: 290135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/12/16 09:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/12/16 09:50	1
Acetone	ND		25	10	ug/L			01/12/16 09:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/12/16 09:50	1
Acrolein	ND		20	10	ug/L			01/12/16 09:50	1
Acrylonitrile	ND		10	2.8	ug/L			01/12/16 09:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Benzene	ND		1.0	0.38	ug/L			01/12/16 09:50	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Bromobenzene	ND		1.0	0.54	ug/L			01/12/16 09:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Bromoform	ND		5.0	0.71	ug/L			01/12/16 09:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Bromomethane	ND		1.0	0.98	ug/L			01/12/16 09:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/12/16 09:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/12/16 09:50	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Chloroethane	ND		1.0	0.76	ug/L			01/12/16 09:50	1
2-Hexanone	ND		25	3.1	ug/L			01/12/16 09:50	1
Chloroform	ND		1.0	0.60	ug/L			01/12/16 09:50	1
Chloromethane	ND		1.0	0.83	ug/L			01/12/16 09:50	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 09:50	1
Methylene bromide	ND		5.0	0.59	ug/L			01/12/16 09:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/12/16 09:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/12/16 09:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/12/16 09:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/12/16 09:50	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/12/16 09:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/12/16 09:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/12/16 09:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/12/16 09:50	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/12/16 09:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/12/16 09:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/12/16 09:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/12/16 09:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/12/16 09:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Naphthalene	ND		1.0	1.0	ug/L			01/12/16 09:50	1
o-Xylene	ND		5.0	0.60	ug/L			01/12/16 09:50	1

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

Lab Sample ID: MB 400-290135/4
Matrix: Water
Analysis Batch: 290135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/12/16 09:50	1
Styrene	ND		1.0	1.0	ug/L			01/12/16 09:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/12/16 09:50	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/12/16 09:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/12/16 09:50	1
Toluene	ND		1.0	0.70	ug/L			01/12/16 09:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/12/16 09:50	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/12/16 09:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/12/16 09:50	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/12/16 09:50	1
Trichloroethene	ND		1.0	0.50	ug/L			01/12/16 09:50	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/12/16 09:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/12/16 09:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/12/16 09:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/12/16 09:50	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/12/16 09:50	1
Vinyl acetate	ND		25	2.0	ug/L			01/12/16 09:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/12/16 09:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/12/16 09:50	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/12/16 09:50	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/12/16 09:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*78 - 118*		*01/12/16 09:50*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/12/16 09:50*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/12/16 09:50*	*1*

Lab Sample ID: LCS 400-290135/1002
Matrix: Water
Analysis Batch: 290135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	50.0		ug/L		100	10 - 160
1,2-Dichlorobenzene	50.0	48.2		ug/L		96	67 - 130
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
Acetone	200	236		ug/L		118	43 - 160
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
Acrolein	500	547		ug/L		109	38 - 160
Acrylonitrile	500	546		ug/L		109	64 - 142
1,1-Dichloroethane	50.0	56.7		ug/L		113	70 - 130
Benzene	50.0	51.8		ug/L		104	70 - 130
1,2-Dichloroethane	50.0	57.4		ug/L		115	69 - 130
Bromobenzene	50.0	50.2		ug/L		100	70 - 132
1,1-Dichloroethene	50.0	53.0		ug/L		106	63 - 134
Bromoform	50.0	49.2		ug/L		98	57 - 140
1,2-Dichloropropane	50.0	53.0		ug/L		106	70 - 130
Bromomethane	50.0	40.4		ug/L		81	10 - 160

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

Lab Sample ID: LCS 400-290135/1002
Matrix: Water
Analysis Batch: 290135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	50.0	52.3		ug/L		105	70 - 130
Carbon disulfide	50.0	56.6		ug/L		113	61 - 137
2,2-Dichloropropane	50.0	60.0		ug/L		120	52 - 135
Carbon tetrachloride	50.0	54.6		ug/L		109	61 - 137
1,1-Dichloropropene	50.0	54.1		ug/L		108	70 - 130
Chlorobenzene	50.0	48.7		ug/L		97	70 - 130
Bromochloromethane	50.0	49.3		ug/L		99	70 - 130
Dibromochloromethane	50.0	50.4		ug/L		101	67 - 135
Chloroethane	50.0	46.6		ug/L		93	55 - 141
2-Hexanone	200	221		ug/L		111	65 - 137
Chloroform	50.0	52.9		ug/L		106	69 - 130
Chloromethane	50.0	56.0		ug/L		112	58 - 137
cis-1,2-Dichloroethene	50.0	56.3		ug/L		113	68 - 130
cis-1,3-Dichloropropene	50.0	57.3		ug/L		115	69 - 132
Methylene bromide	50.0	54.2		ug/L		108	70 - 130
Bromodichloromethane	50.0	57.0		ug/L		114	67 - 133
Dichlorodifluoromethane	50.0	53.1		ug/L		106	41 - 146
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130
Hexachlorobutadiene	50.0	48.5		ug/L		97	53 - 140
Isopropylbenzene	50.0	50.6		ug/L		101	70 - 130
o-Chlorotoluene	50.0	53.4		ug/L		107	70 - 130
m-Xylene & p-Xylene	50.0	52.2		ug/L		104	70 - 130
2-Butanone (MEK)	200	200		ug/L		100	61 - 145
p-Chlorotoluene	50.0	55.2		ug/L		110	70 - 130
4-Methyl-2-pentanone (MIBK)	200	226		ug/L		113	69 - 138
Methyl tert-butyl ether	50.0	54.6		ug/L		109	66 - 130
Methylene Chloride	50.0	53.4		ug/L		107	66 - 135
n-Butylbenzene	50.0	50.8		ug/L		102	67 - 130
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/L		102	67 - 131
N-Propylbenzene	50.0	53.8		ug/L		108	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.3		ug/L		109	70 - 131
Naphthalene	50.0	49.1		ug/L		98	47 - 149
o-Xylene	50.0	51.1		ug/L		102	70 - 130
sec-Butylbenzene	50.0	51.7		ug/L		103	66 - 130
Styrene	50.0	50.7		ug/L		101	70 - 130
tert-Butylbenzene	50.0	50.4		ug/L		101	64 - 139
Tetrachloroethene	50.0	42.0		ug/L		84	65 - 130
1,2,3-Trichlorobenzene	50.0	47.4		ug/L		95	60 - 138
Toluene	50.0	49.0		ug/L		98	70 - 130
1,2,4-Trichlorobenzene	50.0	48.4		ug/L		97	60 - 140
1,1,1-Trichloroethane	50.0	57.0		ug/L		114	68 - 130
trans-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	52.1		ug/L		104	63 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	45.0		ug/L		90	65 - 138
1,2,3-Trichloropropane	50.0	50.8		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 130

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

Lab Sample ID: LCS 400-290135/1002
Matrix: Water
Analysis Batch: 290135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	50.0	53.7		ug/L		107	69 - 130
p-Isopropyltoluene	50.0	51.7		ug/L		103	65 - 130
Vinyl acetate	100	109		ug/L		109	26 - 160
Ethyl methacrylate	50.0	49.5		ug/L		99	68 - 130
Vinyl chloride	50.0	49.3		ug/L		99	59 - 136
1-Chlorohexane	50.0	58.4		ug/L		117	69 - 130
Xylenes, Total	100	103		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*115*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 400-116107-1 MS
Matrix: Water
Analysis Batch: 290135

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	232		ug/L		116	43 - 160
Acrolein	ND		500	612		ug/L		122	38 - 160
Acrylonitrile	ND		500	619		ug/L		124	62 - 149
Benzene	ND		50.0	52.8		ug/L		106	56 - 142
Bromobenzene	ND		50.0	49.9		ug/L		100	59 - 136
Bromochloromethane	ND		50.0	50.8		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	58.4		ug/L		117	59 - 143
Bromoform	ND		50.0	50.5		ug/L		101	50 - 140
Bromomethane	ND		50.0	39.3		ug/L		79	10 - 160
2-Butanone (MEK)	ND		200	216		ug/L		108	55 - 150
Carbon disulfide	ND		50.0	57.7		ug/L		115	48 - 152
Carbon tetrachloride	ND		50.0	55.1		ug/L		110	55 - 145
Chlorobenzene	ND		50.0	48.4		ug/L		97	64 - 130
Dibromochloromethane	ND		50.0	52.7		ug/L		105	56 - 143
Chloroethane	ND		50.0	46.8		ug/L		94	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	54.5		ug/L		109	60 - 141
1-Chlorohexane	ND		50.0	58.3		ug/L		117	56 - 136
Chloromethane	ND		50.0	57.6		ug/L		115	49 - 148
cis-1,2-Dichloroethene	ND		50.0	59.6		ug/L		119	59 - 143
cis-1,3-Dichloropropene	ND		50.0	60.1		ug/L		120	57 - 140
1,2-Dichlorobenzene	ND		50.0	47.6		ug/L		95	52 - 137
1,3-Dichlorobenzene	ND		50.0	47.6		ug/L		95	54 - 135
1,4-Dichlorobenzene	ND		50.0	47.8		ug/L		96	53 - 135
Dichlorodifluoromethane	ND		50.0	55.2		ug/L		110	16 - 160
1,1-Dichloroethane	ND		50.0	58.6		ug/L		117	61 - 144
1,2-Dichloroethane	ND		50.0	60.7		ug/L		121	60 - 141
1,1-Dichloroethene	ND		50.0	54.8		ug/L		110	54 - 147
1,2-Dichloropropane	ND		50.0	54.5		ug/L		109	66 - 137
1,3-Dichloropropane	ND		50.0	55.3		ug/L		111	66 - 133

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

Lab Sample ID: 400-116107-1 MS
Matrix: Water
Analysis Batch: 290135

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		50.0	62.0		ug/L		124	42 - 144
1,1-Dichloropropene	ND		50.0	55.5		ug/L		111	65 - 136
Ethylbenzene	ND		50.0	50.6		ug/L		101	58 - 131
Ethyl methacrylate	ND		50.0	54.0		ug/L		108	64 - 130
Hexachlorobutadiene	ND		50.0	48.5		ug/L		97	31 - 149
2-Hexanone	ND		200	239		ug/L		119	65 - 140
Isopropylbenzene	ND		50.0	50.2		ug/L		100	56 - 133
Methylene bromide	ND		50.0	57.6		ug/L		115	63 - 138
Methylene Chloride	ND		50.0	55.4		ug/L		111	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	250		ug/L		125	63 - 146
Methyl tert-butyl ether	ND		50.0	59.9		ug/L		120	59 - 137
m-Xylene & p-Xylene	ND		50.0	51.8		ug/L		104	57 - 130
Naphthalene	ND		50.0	54.2		ug/L		108	25 - 160
n-Butylbenzene	ND		50.0	48.7		ug/L		97	41 - 142
N-Propylbenzene	ND		50.0	52.1		ug/L		104	51 - 138
o-Chlorotoluene	ND		50.0	51.4		ug/L		103	53 - 134
o-Xylene	ND		50.0	51.1		ug/L		102	61 - 130
p-Chlorotoluene	ND		50.0	53.2		ug/L		106	54 - 133
p-Isopropyltoluene	ND		50.0	50.5		ug/L		101	48 - 139
sec-Butylbenzene	ND		50.0	50.5		ug/L		101	50 - 138
Styrene	ND		50.0	50.5		ug/L		101	58 - 131
tert-Butylbenzene	ND		50.0	48.8		ug/L		98	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	51.5		ug/L		103	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	57.4		ug/L		115	66 - 135
Tetrachloroethene	ND		50.0	40.4		ug/L		81	52 - 133
Toluene	ND		50.0	50.0		ug/L		100	65 - 130
trans-1,2-Dichloroethene	ND		50.0	53.8		ug/L		108	61 - 143
trans-1,3-Dichloropropene	ND		50.0	54.1		ug/L		108	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	49.9		ug/L		100	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	49.6		ug/L		99	39 - 148
1,1,1-Trichloroethane	ND		50.0	58.7		ug/L		117	57 - 142
1,1,2-Trichloroethane	ND		50.0	54.8		ug/L		110	66 - 131
Trichloroethene	ND		50.0	50.1		ug/L		100	64 - 136
Trichlorofluoromethane	ND		50.0	44.8		ug/L		90	54 - 156
1,2,3-Trichloropropane	ND		50.0	54.6		ug/L		109	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	52.1		ug/L		104	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	52.7		ug/L		105	52 - 135
Vinyl acetate	ND		100	117		ug/L		117	26 - 160
Vinyl chloride	ND		50.0	48.6		ug/L		97	46 - 152
Xylenes, Total	ND		100	103		ug/L		103	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*116*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 400-116107-1 MSD
Matrix: Water
Analysis Batch: 290135

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	238		ug/L		119	43 - 160	3	30
Acrolein	ND		500	606		ug/L		121	38 - 160	1	31
Acrylonitrile	ND		500	600		ug/L		120	62 - 149	3	30
Benzene	ND		50.0	51.6		ug/L		103	56 - 142	2	30
Bromobenzene	ND		50.0	46.0		ug/L		92	59 - 136	8	30
Bromochloromethane	ND		50.0	49.5		ug/L		99	64 - 140	2	30
Bromodichloromethane	ND		50.0	57.4		ug/L		115	59 - 143	2	30
Bromoform	ND		50.0	49.3		ug/L		99	50 - 140	3	30
Bromomethane	ND		50.0	43.2		ug/L		86	10 - 160	9	50
2-Butanone (MEK)	ND		200	209		ug/L		105	55 - 150	3	30
Carbon disulfide	ND		50.0	56.8		ug/L		114	48 - 152	2	30
Carbon tetrachloride	ND		50.0	55.0		ug/L		110	55 - 145	0	30
Chlorobenzene	ND		50.0	46.1		ug/L		92	64 - 130	5	30
Dibromochloromethane	ND		50.0	49.8		ug/L		100	56 - 143	6	30
Chloroethane	ND		50.0	46.3		ug/L		93	50 - 151	1	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	52.5		ug/L		105	60 - 141	4	30
1-Chlorohexane	ND		50.0	54.5		ug/L		109	56 - 136	7	30
Chloromethane	ND		50.0	57.4		ug/L		115	49 - 148	0	31
cis-1,2-Dichloroethene	ND		50.0	57.5		ug/L		115	59 - 143	4	30
cis-1,3-Dichloropropene	ND		50.0	57.9		ug/L		116	57 - 140	4	30
1,2-Dichlorobenzene	ND		50.0	43.5		ug/L		87	52 - 137	9	30
1,3-Dichlorobenzene	ND		50.0	43.3		ug/L		87	54 - 135	9	30
1,4-Dichlorobenzene	ND		50.0	43.0		ug/L		86	53 - 135	11	30
Dichlorodifluoromethane	ND		50.0	55.3		ug/L		111	16 - 160	0	31
1,1-Dichloroethane	ND		50.0	56.3		ug/L		113	61 - 144	4	30
1,2-Dichloroethane	ND		50.0	58.5		ug/L		117	60 - 141	4	30
1,1-Dichloroethene	ND		50.0	53.3		ug/L		107	54 - 147	3	30
1,2-Dichloropropane	ND		50.0	53.1		ug/L		106	66 - 137	3	30
1,3-Dichloropropane	ND		50.0	52.5		ug/L		105	66 - 133	5	30
2,2-Dichloropropane	ND		50.0	62.0		ug/L		124	42 - 144	0	31
1,1-Dichloropropene	ND		50.0	53.5		ug/L		107	65 - 136	4	30
Ethylbenzene	ND		50.0	47.1		ug/L		94	58 - 131	7	30
Ethyl methacrylate	ND		50.0	51.5		ug/L		103	64 - 130	5	30
Hexachlorobutadiene	ND		50.0	51.4		ug/L		103	31 - 149	6	36
2-Hexanone	ND		200	229		ug/L		115	65 - 140	4	30
Isopropylbenzene	ND		50.0	46.9		ug/L		94	56 - 133	7	30
Methylene bromide	ND		50.0	54.4		ug/L		109	63 - 138	6	30
Methylene Chloride	ND		50.0	53.0		ug/L		106	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	ND		200	242		ug/L		121	63 - 146	3	30
Methyl tert-butyl ether	ND		50.0	58.6		ug/L		117	59 - 137	2	30
m-Xylene & p-Xylene	ND		50.0	48.5		ug/L		97	57 - 130	6	30
Naphthalene	ND		50.0	52.4		ug/L		105	25 - 160	3	30
n-Butylbenzene	ND		50.0	44.8		ug/L		90	41 - 142	8	31
N-Propylbenzene	ND		50.0	48.3		ug/L		97	51 - 138	7	30
o-Chlorotoluene	ND		50.0	47.9		ug/L		96	53 - 134	7	30
o-Xylene	ND		50.0	48.1		ug/L		96	61 - 130	6	30
p-Chlorotoluene	ND		50.0	48.1		ug/L		96	54 - 133	10	30

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

Lab Sample ID: 400-116107-1 MSD
Matrix: Water
Analysis Batch: 290135

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	46.0		ug/L		92	48 - 139	9	30
sec-Butylbenzene	ND		50.0	47.4		ug/L		95	50 - 138	6	30
Styrene	ND		50.0	46.9		ug/L		94	58 - 131	8	30
tert-Butylbenzene	ND		50.0	45.9		ug/L		92	54 - 146	6	30
1,1,1,2-Tetrachloroethane	ND		50.0	48.6		ug/L		97	59 - 137	6	30
1,1,2,2-Tetrachloroethane	ND		50.0	54.0		ug/L		108	66 - 135	6	30
Tetrachloroethene	ND		50.0	38.3		ug/L		77	52 - 133	5	30
Toluene	ND		50.0	48.2		ug/L		96	65 - 130	4	30
trans-1,2-Dichloroethene	ND		50.0	51.4		ug/L		103	61 - 143	5	30
trans-1,3-Dichloropropene	ND		50.0	52.2		ug/L		104	53 - 133	3	30
1,2,3-Trichlorobenzene	ND		50.0	47.8		ug/L		96	43 - 145	4	30
1,2,4-Trichlorobenzene	ND		50.0	46.1		ug/L		92	39 - 148	7	30
1,1,1-Trichloroethane	ND		50.0	56.7		ug/L		113	57 - 142	3	30
1,1,2-Trichloroethane	ND		50.0	51.3		ug/L		103	66 - 131	7	30
Trichloroethene	ND		50.0	48.4		ug/L		97	64 - 136	4	30
Trichlorofluoromethane	ND		50.0	44.6		ug/L		89	54 - 156	0	30
1,2,3-Trichloropropane	ND		50.0	52.1		ug/L		104	65 - 133	5	30
1,2,4-Trimethylbenzene	ND		50.0	47.1		ug/L		94	50 - 139	10	30
1,3,5-Trimethylbenzene	ND		50.0	48.4		ug/L		97	52 - 135	9	30
Vinyl acetate	ND		100	118		ug/L		118	26 - 160	1	33
Vinyl chloride	ND		50.0	49.7		ug/L		99	46 - 152	2	30
Xylenes, Total	ND		100	96.6		ug/L		97	59 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*117*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzenethiol	ND		10	1.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzoic acid	ND		30	7.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/11/16 14:02	01/12/16 16:19	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/11/16 14:02	01/12/16 16:19	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/11/16 14:02	01/12/16 16:19	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dibenzofuran	ND		10	0.52	ug/L		01/11/16 14:02	01/12/16 16:19	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Diethyl phthalate	ND		10	0.70	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/16 14:02	01/12/16 16:19	1
Di-n-octyl phthalate	0.631	J	10	0.44	ug/L		01/11/16 14:02	01/12/16 16:19	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Indene	ND		10	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
Isophorone	ND		10	0.57	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitroaniline	ND		10	2.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
Nitrobenzene	ND		10	0.55	ug/L		01/11/16 14:02	01/12/16 16:19	1
2-Nitrophenol	ND		10	0.65	ug/L		01/11/16 14:02	01/12/16 16:19	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/16 14:02	01/12/16 16:19	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pentachlorophenol	ND		20	1.8	ug/L		01/11/16 14:02	01/12/16 16:19	1
Phenol	ND		10	2.6	ug/L		01/11/16 14:02	01/12/16 16:19	1
Pyridine	ND		10	3.2	ug/L		01/11/16 14:02	01/12/16 16:19	1
Quinoline	ND		10	6.0	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/16 14:02	01/12/16 16:19	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/16 14:02	01/12/16 16:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*34 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2-Fluorophenol	*58*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Nitrobenzene-d5	*70*		*27 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Phenol-d5	*67*		*10 - 120*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
Terphenyl-d14	*58*		*53 - 125*	*01/11/16 14:02*	*01/12/16 16:19*	*1*
2,4,6-Tribromophenol	*63*		*15 - 135*	*01/11/16 14:02*	*01/12/16 16:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	19.1		ug/L		64	10 - 145
Benzoic acid	127	32.8		ug/L		26	10 - 120
Benzyl alcohol	30.0	21.2		ug/L		71	51 - 121
Bis(2-chloroethoxy)methane	30.0	20.0		ug/L		67	54 - 123
Bis(2-chloroethyl)ether	30.0	19.4		ug/L		65	47 - 120
bis (2-chloroisopropyl) ether	30.0	19.5		ug/L		65	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	18.9		ug/L		63	62 - 140
4-Bromophenyl phenyl ether	30.0	17.3	*	ug/L		58	62 - 132
Butyl benzyl phthalate	30.0	19.2		ug/L		64	51 - 150
4-Chloroaniline	30.0	15.2		ug/L		51	32 - 128
4-Chloro-3-methylphenol	30.0	20.9		ug/L		70	47 - 135
2-Chloronaphthalene	30.0	18.7		ug/L		62	24 - 150
2-Chlorophenol	30.0	18.1		ug/L		60	45 - 120
4-Chlorophenyl phenyl ether	30.0	19.2		ug/L		64	61 - 133
Dibenz[a,h]acridine	30.0	22.0		ug/L		73	60 - 131
Dibenzofuran	30.0	20.1		ug/L		67	62 - 124
3,3'-Dichlorobenzidine	40.0	24.9		ug/L		62	16 - 167
2,4-Dichlorophenol	30.0	18.8		ug/L		63	52 - 125
Diethyl phthalate	30.0	20.9		ug/L		70	55 - 140
2,4-Dimethylphenol	30.0	19.7		ug/L		66	52 - 121
Dimethyl phthalate	30.0	19.3		ug/L		64	50 - 133
Di-n-butyl phthalate	30.0	21.1		ug/L		70	59 - 144
4,6-Dinitro-ortho-cresol	60.0	35.2		ug/L		59	46 - 136
2,4-Dinitrophenol	110	54.1		ug/L		49	22 - 146
2,4-Dinitrotoluene	30.0	22.2		ug/L		74	54 - 141
2,6-Dinitrotoluene	30.0	19.3		ug/L		64	61 - 130
Di-n-octyl phthalate	30.0	20.8		ug/L		69	55 - 140
1,4-Dioxane	30.0	15.1		ug/L		50	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	20.1		ug/L		67	55 - 139
Hexachlorobenzene	30.0	19.1		ug/L		64	60 - 138
Hexachlorocyclopentadiene	30.0	15.9	J	ug/L		53	1 - 139
Hexachloroethane	30.0	17.1		ug/L		57	46 - 121
Indene	30.0	17.5		ug/L		58	17 - 141
Isophorone	30.0	20.7		ug/L		69	57 - 122
2-Methylphenol	30.0	19.4		ug/L		65	38 - 121
3 & 4 Methylphenol	30.0	19.9	J	ug/L		66	43 - 126
2-Nitroaniline	30.0	20.8		ug/L		69	52 - 135
3-Nitroaniline	30.0	16.7		ug/L		56	51 - 128
4-Nitroaniline	30.0	20.7		ug/L		69	38 - 141
Nitrobenzene	30.0	19.2		ug/L		64	52 - 128
2-Nitrophenol	30.0	18.1		ug/L		60	47 - 129
4-Nitrophenol	60.0	32.3		ug/L		54	34 - 137
N-Nitrosodimethylamine	30.0	17.8		ug/L		59	21 - 134
N-Nitrosodi-n-propylamine	30.0	21.0		ug/L		70	41 - 143
N-Nitrosodiphenylamine	95.2	40.2		ug/L		42	10 - 185
Pentachlorophenol	60.0	35.3		ug/L		59	38 - 138
Phenol	30.0	19.0		ug/L		63	37 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	30.0	16.7		ug/L		56	10 - 127
Quinoline	30.0	19.7		ug/L		66	10 - 164
2,4,5-Trichlorophenol	30.0	19.4		ug/L		65	53 - 130
2,4,6-Trichlorophenol	30.0	18.4		ug/L		61	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*34 - 120*
2-Fluorophenol	*54*		*10 - 120*
Nitrobenzene-d5	*64*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*59*		*53 - 125*
2,4,6-Tribromophenol	*65*		*15 - 135*

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Lab Sample ID: LCSD 400-290095/4-A
Matrix: Water
Analysis Batch: 290006

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	15.4	*	ug/L		51	20 - 150	36	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*73*		*10 - 120*
Nitrobenzene-d5	*92*		*27 - 120*
Phenol-d5	*84*		*10 - 120*
Terphenyl-d14	*79*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: 400-116107-1 MS
Matrix: Water
Analysis Batch: 290245

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		30.0	22.5		ug/L		75	10 - 143
Benzoic acid	ND		127	67.6		ug/L		53	10 - 134
Benzyl alcohol	ND		30.0	30.9		ug/L		103	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	25.8		ug/L		86	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	26.4		ug/L		88	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	26.5		ug/L		88	10 - 141
Bis(2-ethylhexyl) phthalate	ND		30.0	29.1		ug/L		97	43 - 160
4-Bromophenyl phenyl ether	ND	*	30.0	22.3		ug/L		74	26 - 159
Butyl benzyl phthalate	ND		30.0	26.8		ug/L		89	43 - 151
4-Chloroaniline	ND		30.0	15.6		ug/L		52	10 - 152
4-Chloro-3-methylphenol	ND		30.0	25.5		ug/L		85	17 - 156
2-Chloronaphthalene	ND		30.0	25.6		ug/L		85	10 - 155
2-Chlorophenol	ND		30.0	24.0		ug/L		80	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	25.8		ug/L		86	25 - 161
Dibenz[a,h]acridine	ND		30.0	26.0		ug/L		87	42 - 147

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116107-1 MS
Matrix: Water
Analysis Batch: 290245

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	ND		30.0	27.0		ug/L		90	18 - 157
3,3'-Dichlorobenzidine	ND		40.0	17.5		ug/L		44	10 - 172
2,4-Dichlorophenol	ND		30.0	23.8		ug/L		79	16 - 147
Diethyl phthalate	ND		30.0	27.8		ug/L		93	23 - 160
2,4-Dimethylphenol	ND		30.0	24.9		ug/L		83	25 - 146
Dimethyl phthalate	ND		30.0	25.1		ug/L		84	11 - 158
Di-n-butyl phthalate	ND		30.0	28.6		ug/L		95	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	49.3		ug/L		82	10 - 168
2,4-Dinitrophenol	ND		110	85.2		ug/L		77	10 - 166
2,4-Dinitrotoluene	ND		30.0	30.6		ug/L		102	26 - 158
2,6-Dinitrotoluene	ND		30.0	26.3		ug/L		88	19 - 157
Di-n-octyl phthalate	ND		30.0	27.6		ug/L		92	42 - 150
1,4-Dioxane	ND		30.0	17.9		ug/L		60	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	26.4		ug/L		88	19 - 162
Hexachlorobenzene	ND		30.0	24.6		ug/L		82	46 - 145
Hexachlorocyclopentadiene	ND		30.0	18.4	J	ug/L		61	10 - 151
Hexachloroethane	ND		30.0	21.2		ug/L		71	29 - 130
Indene	ND		30.0	23.6		ug/L		79	22 - 130
Isophorone	ND		30.0	26.2		ug/L		87	24 - 144
2-Methylphenol	ND		30.0	24.3		ug/L		81	22 - 130
3 & 4 Methylphenol	ND		30.0	25.7		ug/L		86	31 - 130
2-Nitroaniline	ND		30.0	28.0		ug/L		93	10 - 162
3-Nitroaniline	ND		30.0	18.3		ug/L		61	10 - 163
4-Nitroaniline	ND		30.0	27.0		ug/L		90	10 - 162
Nitrobenzene	ND		30.0	25.0		ug/L		83	34 - 135
2-Nitrophenol	ND		30.0	23.9		ug/L		80	27 - 134
4-Nitrophenol	ND		60.0	45.3		ug/L		76	10 - 175
N-Nitrosodimethylamine	ND		30.0	23.4		ug/L		78	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	28.9		ug/L		96	13 - 147
N-Nitrosodiphenylamine	ND		95.2	53.3		ug/L		56	31 - 150
Pentachlorophenol	ND		60.0	51.8		ug/L		86	10 - 180
Phenol	ND		30.0	22.9		ug/L		76	23 - 130
Pyridine	ND		30.0	18.7		ug/L		62	10 - 130
Quinoline	ND		30.0	23.2		ug/L		77	10 - 180
2,4,5-Trichlorophenol	ND		30.0	25.4		ug/L		85	43 - 137
2,4,6-Trichlorophenol	ND		30.0	25.6		ug/L		85	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*34 - 120*
2-Fluorophenol	*69*		*10 - 120*
Nitrobenzene-d5	*86*		*27 - 120*
Phenol-d5	*75*		*10 - 120*
Terphenyl-d14	*90*		*53 - 125*
2,4,6-Tribromophenol	*102*		*15 - 135*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116107-1 MSD
Matrix: Water
Analysis Batch: 290245

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		30.0	24.6		ug/L		82	10 - 143	9	63
Benzoic acid	ND		127	79.3		ug/L		62	10 - 134	16	49
Benzyl alcohol	ND		30.0	33.7		ug/L		112	10 - 154	9	37
Bis(2-chloroethoxy)methane	ND		30.0	28.9		ug/L		96	14 - 147	11	70
Bis(2-chloroethyl)ether	ND		30.0	30.5		ug/L		102	28 - 130	14	42
bis (2-chloroisopropyl) ether	ND		30.0	29.2		ug/L		97	10 - 141	10	41
Bis(2-ethylhexyl) phthalate	ND		30.0	30.6		ug/L		102	43 - 160	5	35
4-Bromophenyl phenyl ether	ND	*	30.0	24.4		ug/L		81	26 - 159	9	30
Butyl benzyl phthalate	ND		30.0	28.6		ug/L		95	43 - 151	7	32
4-Chloroaniline	ND		30.0	18.6		ug/L		62	10 - 152	18	94
4-Chloro-3-methylphenol	ND		30.0	28.4		ug/L		95	17 - 156	11	40
2-Chloronaphthalene	ND		30.0	28.9		ug/L		96	10 - 155	12	29
2-Chlorophenol	ND		30.0	26.8		ug/L		89	19 - 130	11	42
4-Chlorophenyl phenyl ether	ND		30.0	28.9		ug/L		96	25 - 161	11	27
Dibenz[a,h]acridine	ND		30.0	27.8		ug/L		93	42 - 147	7	40
Dibenzofuran	ND		30.0	30.7		ug/L		102	18 - 157	13	29
3,3'-Dichlorobenzidine	ND		40.0	18.9		ug/L		47	10 - 172	8	58
2,4-Dichlorophenol	ND		30.0	26.1		ug/L		87	16 - 147	9	43
Diethyl phthalate	ND		30.0	30.5		ug/L		102	23 - 160	9	40
2,4-Dimethylphenol	ND		30.0	27.1		ug/L		90	25 - 146	9	47
Dimethyl phthalate	ND		30.0	27.5		ug/L		92	11 - 158	9	36
Di-n-butyl phthalate	ND		30.0	32.4		ug/L		108	28 - 162	12	32
4,6-Dinitro-ortho-cresol	ND		60.0	56.3		ug/L		94	10 - 168	13	42
2,4-Dinitrophenol	ND		110	102		ug/L		92	10 - 166	18	36
2,4-Dinitrotoluene	ND		30.0	34.4		ug/L		115	26 - 158	12	28
2,6-Dinitrotoluene	ND		30.0	29.4		ug/L		98	19 - 157	11	28
Di-n-octyl phthalate	ND		30.0	31.0		ug/L		103	42 - 150	12	35
1,4-Dioxane	ND		30.0	19.6		ug/L		65	10 - 130	9	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	28.7		ug/L		96	19 - 162	8	40
Hexachlorobenzene	ND		30.0	27.1		ug/L		90	45 - 145	10	33
Hexachlorocyclopentadiene	ND		30.0	21.6		ug/L		72	10 - 151	16	50
Hexachloroethane	ND		30.0	23.5		ug/L		78	29 - 130	11	41
Indene	ND		30.0	26.3		ug/L		88	22 - 130	11	40
Isophorone	ND		30.0	29.0		ug/L		97	24 - 144	10	33
2-Methylphenol	ND		30.0	27.1		ug/L		90	22 - 130	11	47
3 & 4 Methylphenol	ND		30.0	28.5		ug/L		95	31 - 130	11	47
2-Nitroaniline	ND		30.0	29.8		ug/L		99	10 - 162	6	33
3-Nitroaniline	ND		30.0	22.0		ug/L		73	10 - 163	18	39
4-Nitroaniline	ND		30.0	29.2		ug/L		97	10 - 162	8	50
Nitrobenzene	ND		30.0	27.9		ug/L		93	34 - 135	11	35
2-Nitrophenol	ND		30.0	26.2		ug/L		87	27 - 134	9	43
4-Nitrophenol	ND		60.0	50.4		ug/L		84	10 - 175	11	82
N-Nitrosodimethylamine	ND		30.0	25.2		ug/L		84	10 - 139	7	62
N-Nitrosodi-n-propylamine	ND		30.0	32.5		ug/L		108	13 - 147	12	36
N-Nitrosodiphenylamine	ND		95.2	58.9		ug/L		62	31 - 150	10	34
Pentachlorophenol	ND		60.0	59.8		ug/L		100	10 - 180	14	42
Phenol	ND		30.0	24.8		ug/L		83	23 - 130	8	52

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116107-1 MSD
Matrix: Water
Analysis Batch: 290245

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyridine	ND		30.0	18.7		ug/L		62	10 - 130	0	55
Quinoline	ND		30.0	24.1		ug/L		80	10 - 180	4	40
2,4,5-Trichlorophenol	ND		30.0	28.3		ug/L		94	43 - 137	11	42
2,4,6-Trichlorophenol	ND		30.0	29.0		ug/L		97	42 - 135	12	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*34 - 120*
2-Fluorophenol	*72*		*10 - 120*
Nitrobenzene-d5	*91*		*27 - 120*
Phenol-d5	*76*		*10 - 120*
Terphenyl-d14	*80*		*53 - 125*
2,4,6-Tribromophenol	*106*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290095/1-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Anthracene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Chrysene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Fluoranthene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Fluorene	ND		0.20	0.021	ug/L		01/11/16 14:02	01/12/16 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/11/16 14:02	01/12/16 20:13	1
Phenanthrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
Pyrene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/11/16 14:02	01/12/16 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*89*		*33 - 138*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
2-Fluorobiphenyl	*95*		*15 - 122*	*01/11/16 14:02*	*01/12/16 20:13*	*1*
Nitrobenzene-d5	*78*		*19 - 130*	*01/11/16 14:02*	*01/12/16 20:13*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-290095/2-A
Matrix: Water
Analysis Batch: 290141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	21.8		ug/L		73	41 - 120
Acenaphthylene	30.0	22.2		ug/L		74	44 - 120
Anthracene	30.0	21.0		ug/L		70	49 - 120
Benzo[a]anthracene	30.0	20.2		ug/L		67	61 - 135
Benzo[a]pyrene	30.0	23.0		ug/L		77	52 - 120
Benzo[b]fluoranthene	30.0	23.3		ug/L		78	53 - 134
Benzo[g,h,i]perylene	30.0	19.0		ug/L		63	47 - 133
Benzo[k]fluoranthene	30.0	25.5		ug/L		85	57 - 134
Chrysene	30.0	22.5		ug/L		75	55 - 122
Dibenz(a,h)anthracene	30.0	21.4		ug/L		71	48 - 146
Fluoranthene	30.0	20.8		ug/L		69	54 - 128
Fluorene	30.0	23.6		ug/L		79	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	19.9		ug/L		66	43 - 142
Phenanthrene	30.0	20.6		ug/L		69	48 - 120
Pyrene	30.0	21.4		ug/L		71	48 - 132
1-Methylnaphthalene	30.0	22.6		ug/L		75	41 - 120
2-Methylnaphthalene	30.0	22.6		ug/L		75	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*73*		*33 - 138*
2-Fluorobiphenyl	*68*		*15 - 122*
Nitrobenzene-d5	*67*		*19 - 130*

Lab Sample ID: 400-116107-1 MS
Matrix: Water
Analysis Batch: 290285

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.15	J	30.0	25.7		ug/L		85	35 - 113
Acenaphthylene	ND		30.0	24.9		ug/L		83	41 - 118
Anthracene	ND		30.0	25.0		ug/L		83	45 - 122
Benzo[a]anthracene	ND		30.0	23.4		ug/L		78	55 - 133
Benzo[a]pyrene	0.054	J	30.0	23.1		ug/L		77	50 - 108
Benzo[b]fluoranthene	0.046	J	30.0	23.3		ug/L		78	50 - 128
Benzo[g,h,i]perylene	0.075	J	30.0	25.2		ug/L		84	46 - 133
Benzo[k]fluoranthene	0.048	J	30.0	26.0		ug/L		87	52 - 128
Chrysene	ND		30.0	25.8		ug/L		86	52 - 116
Dibenz(a,h)anthracene	ND		30.0	28.8		ug/L		96	52 - 143
Fluoranthene	ND		30.0	23.9		ug/L		80	32 - 150
Fluorene	0.095	J	30.0	28.8		ug/L		96	15 - 150
Indeno[1,2,3-cd]pyrene	0.066	J	30.0	27.4		ug/L		91	41 - 141
Phenanthrene	ND		30.0	24.8		ug/L		83	36 - 125
Pyrene	ND		30.0	24.8		ug/L		83	41 - 127
1-Methylnaphthalene	0.13	J	30.0	25.1		ug/L		83	10 - 150
2-Methylnaphthalene	ND		30.0	25.3		ug/L		84	10 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-116107-1 MS
Matrix: Water
Analysis Batch: 290285

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290095

Surrogate	MS %Recovery	MS Qualifier	Limits
Terphenyl-d14	*80*		*33 - 138*
2-Fluorobiphenyl	*87*		*15 - 122*
Nitrobenzene-d5	*83*		*19 - 130*

Lab Sample ID: 400-116107-1 MSD
Matrix: Water
Analysis Batch: 290285

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.15	J	30.0	28.0		ug/L		93	35 - 113	8	49
Acenaphthylene	ND		30.0	27.2		ug/L		91	41 - 118	9	48
Anthracene	ND		30.0	27.0		ug/L		90	45 - 122	8	56
Benzo[a]anthracene	ND		30.0	25.5		ug/L		85	55 - 133	9	57
Benzo[a]pyrene	0.054	J	30.0	25.1		ug/L		84	50 - 108	8	59
Benzo[b]fluoranthene	0.046	J	30.0	25.6		ug/L		85	50 - 128	9	62
Benzo[g,h,i]perylene	0.075	J	30.0	27.2		ug/L		90	46 - 133	8	58
Benzo[k]fluoranthene	0.048	J	30.0	28.1		ug/L		94	52 - 128	8	58
Chrysene	ND		30.0	27.9		ug/L		93	52 - 116	8	59
Dibenz(a,h)anthracene	ND		30.0	30.1		ug/L		100	52 - 143	4	60
Fluoranthene	ND		30.0	26.3		ug/L		88	32 - 150	9	59
Fluorene	0.095	J	30.0	31.3		ug/L		104	15 - 150	9	49
Indeno[1,2,3-cd]pyrene	0.066	J	30.0	29.0		ug/L		97	41 - 141	6	58
Phenanthrene	ND		30.0	26.5		ug/L		88	36 - 125	6	69
Pyrene	ND		30.0	26.5		ug/L		88	41 - 127	7	58
1-Methylnaphthalene	0.13	J	30.0	27.8		ug/L		92	10 - 150	10	66
2-Methylnaphthalene	ND		30.0	27.5		ug/L		92	10 - 150	9	66

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Terphenyl-d14	*76*		*33 - 138*
2-Fluorobiphenyl	*90*		*15 - 122*
Nitrobenzene-d5	*85*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290215/1-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/16 13:56	01/12/16 16:59	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/16 13:56	01/12/16 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*90*		*51 - 149*	*01/12/16 13:56*	*01/12/16 16:59*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 400-290215/2-A
Matrix: Water
Analysis Batch: 290259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0867		ug/L		87	60 - 140
1,2-Dibromoethane	0.100	0.100		ug/L		100	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*51 - 149*

Lab Sample ID: 400-116107-1 MS
Matrix: Water
Analysis Batch: 290259

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND	F2 F1	0.0994	0.134		ug/L		135	65 - 135
1,2-Dibromoethane	ND		0.0994	0.101		ug/L		102	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*51 - 149*

Lab Sample ID: 400-116107-1 MSD
Matrix: Water
Analysis Batch: 290259

Client Sample ID: MW-14-ROX-010816
Prep Type: Total/NA
Prep Batch: 290215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND	F2 F1	0.0964	0.180	F1 F2	ug/L		187	65 - 135	29	20
1,2-Dibromoethane	ND		0.0964	0.0970		ug/L		101	65 - 135	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)
Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
☐ SSW FDG | ☐ PIPELINE | ☐ RETAIL | ☐ CHEMICALS | ☐ CONSULTANT | ☐ LUBES | ☐ TRANSPORTATION | ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Billman
PO #: 60477387 - 1.03.001/1.030011
PlaNet Site or Project ID: 25273
GSAP Project ID: USPCJ00114/R02
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 01/08/16
PAGE: 1 of 1

SAMPLING COMPANY: AECOM
LOG CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Order ID:
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
SAMPLER NAME(S) (Print): E. Schumacher C. Williams
TELEPHONE: 314-429-0100
FAX: 314-429-0462
E-MAIL To (Electronic Report to): bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0011: VOC 8011; PAH 8270LL

NON-UNIT COST 60477387 - 1.03.001: VOC 8260; SVOC 8270

490-116107 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8011	PAH 8270LL	VOC 8260	SVOC 8270
	MW-14-ROX-010816	1/8/16	1040	water	4			3		7	X	X	X	X
	MW-14-ROX-010816-MS	1/8/16	1040	water	4			3		7	X	X	X	X
	MW-14-ROX-010816-MSD	1/8/16	1040	water	4			3		7	X	X	X	X
	P-66-ROX-010816	1/8/16	1205	water	4			3		7	X	X	X	X
	P-66-ROX-010816-DUP	1/8/16	1205	water				2		2			X	
	P-93C-ROX-010816	1/8/16	1505	water	4			3		7	X	X	X	X
	TB-ROX-010816-A	1/8/16	0000	water	2					2	X			
	TB-ROX-010816-A	1/8/16	0000	water	2					2			X	
	TB-ROX-010816-UNA	1/8/16	0000	water				2		2			X	

Relinquished by: (Signature) | Received by: (Signature): FED EX 8092 2040 8010 | Date: 01/08/17 | Time: 1730

Relinquished by: (Signature) | Received by: (Signature) | Date: | Time:

Relinquished by: (Signature) | Received by: (Signature) | Date: 1-9-16 | Time: 10:08

Version: 14Dec15

Custody Seal # 523248 523249 523246 523247 523245 523244

0.8°c, 1.1°c, 1.3°c, 0.5°c IRS

Page 52 of 54

1/11/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116107-1
SDG Number: Proj. 60477387-1.03.001/1.03.0011

Login Number: 116107
List Number: 1
Creator: Hooper, Carolyn D

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	0.8°C, 1.1°C, 1.3°C, 0.5°C IR-5
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

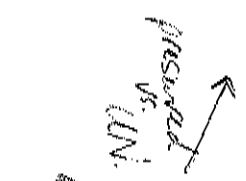
TestAmerica Job ID: 400-116107-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.



Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116171-1-Rev.2

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/15/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW6B-ROX-011116	MW6A-ROX-011116
MW12-ROX-011116	TB-ROX-011116-8011B
TB-ROX-011116-8260B	P56-ROX-011116
P74-ROX-011116-EB	P74-ROX-011116
TB-ROX-011116-8011A	TB-ROX-011116-8260A

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that di-n-octyl phthalate was detected in the method blank. SVOC LCS/LCSD recoveries and SVOC LCS/LCSD RPDs for several analytes were outside evaluation criteria. The surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. 2-Chloroethyl vinyl ether MS/MSD recoveries and MS/MSD RPDs were outside evaluation criteria in sample MW6A-ROX-011116. Method 8260 VOCs in sample P56-ROX-011116 require minimal dilution to bring the concentrations within instrument calibration range. These issues are addressed further in the appropriate sections below.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative. Also, the laboratory report was revised to correctly report n-nitrosodimethylamine as non-detect in sample MW6B-ROX-011116, which had been previously incorrectly reported by the laboratory. The report was also revised to report Method 8270 SVOC laboratory QC data, which had been inadvertently omitted by the laboratory.

The cooler receipt form indicated that three of three coolers were received by the laboratory at temperatures of 0.6°C, 0.6°C, and 1.0°C, which are outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration/ Amount
MB 400-290337/1-A	SVOCs	Di-n-octyl phthalate	0.489 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD /RPD Criteria
LCS/LCSD 400-290337/2-A/3-A	SVOCs	Aniline	78/56	**33**	10-145/30
LCS/LCSD 400-290337/2-A/3-A	SVOCs	Benzoic acid	**172/148**	15	10-120/30
LCS/LCSD 400-290337/2-A/3-A	SVOCs	Pyridine	71/44	**48**	10-127/30
LCS/LCSD 400-290337/6-A/7-A	SVOCs	Benzenethiol	**2**/56	**NA**	20-150/30

Analytical data that required qualification based on LCS data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with LCS/LCSD RPDs above evaluation criteria did not require qualification if LCS/LCSD recoveries were within evaluation criteria.

Sample ID	Parameter	Analyte	Qualification
MW6B-ROX-011116	SVOCs	Benzenethiol	**UJ**
MW6A-ROX-011116	SVOCs	Benzenethiol	**UJ**
MW12-ROX-011116	SVOCs	Benzenethiol	**UJ**
P56-ROX-011116	SVOCs	Benzenethiol	**UJ**
P74-ROX-011116	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW6A-ROX-011116	SVOCs	Terphenyl-d_{14}	**49**	53-125

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P56-ROX-011116	PAHs	Terphenyl-d_{14}	**24**	33-138
P56-ROX-011116	SVOCs	Terphenyl-d_{14}	**26**	53-125
P74-ROX-011116	SVOCs	Terphenyl-d_{14}	**52**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six surrogate recoveries being outside evaluation criteria each sample parameter. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, although not requested, sample MW6A-ROX-011116 was spiked and analyzed for Method 8260 VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW6A-ROX-011116	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50

LCS/LCSD recoveries were within evaluation criteria; no further qualification of data was required.

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

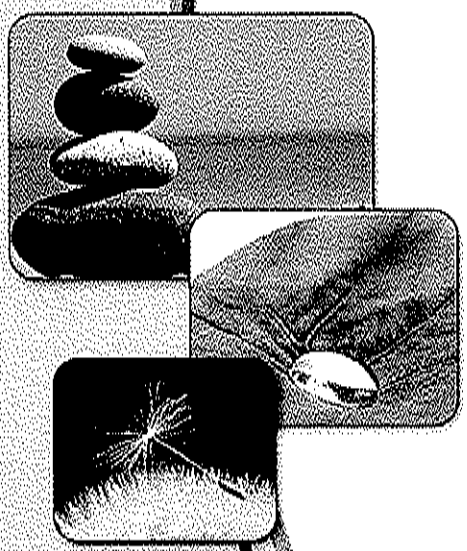
For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples requiring dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116171-1
TestAmerica SDG: Proj. 60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16
Revision: 2

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn D. Hooper

Authorized for release by:
2/15/2016 10:45:59 AM

Carolyn Hooper, Project Manager I
(850)474-1001
carolyn.hooper@testamericainc.com

LINKS

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Reviewed 2/15/2016 MH

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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Job ID: 400-116171-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116171-1

Receipt
The samples were received on 1/12/2016 9:21 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.6°C, 0.6°C and 1.0°C.

GC/MS VOA
Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW6B-ROX-011116 (400-116171-1), MW6A-ROX-011116 (400-116171-2), MW12-ROX-011116 (400-116171-3), TB-ROX-011116-8260B (400-116171-5), P56-ROX-011116 (400-116171-6), P74-ROX-011116-EB (400-116171-7), P74-ROX-011116 (400-116171-8) and P74-ROX-011116-EB (400-116171-7) and TB-ROX-011116-8260A (400-116171-10). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein, and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batches 290434 and 290579 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for batches 290434 and 290579 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

GC/MS Semi VOA
Method 8270D: Surrogate recovery for the following sample was outside control limits: P56-ROX-011116 (400-116171-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: P74-ROX-011116 (400-116171-8). These results have been reported and qualified.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 290337 recovered outside control limits for the following analytes: Aniline and Pyridine.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 400-290337 and analytical batch 400-290490 recovered outside control limits for the following analytes: Benzoic acid. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-290337 and analytical batch 400-290490 recovered outside control limits for the following analyte: Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte. These results have been reported and qualified.

Revision 1
This report has been revised due to incorrect manual integration on Sample MW6B-ROX-011116 (400-116171-1) for N-Nitrosodimethylamine by method 8270D. Results have been revised accordingly.

Revision 2
This report has been revised due to missing QC for method 8270.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116171-1	MW6B-ROX-011116	Water	01/11/16 10:00	01/12/16 09:21
400-116171-2	MW6A-ROX-011116	Water	01/11/16 11:10	01/12/16 09:21
400-116171-3	MW12-ROX-011116	Water	01/11/16 14:25	01/12/16 09:21
400-116171-4	TB-ROX-011116-8011B	Water	01/11/16 00:00	01/12/16 09:21
400-116171-5	TB-ROX-011116-8260B	Water	01/11/16 00:00	01/12/16 09:21
400-116171-6	P56-ROX-011116	Water	01/11/16 13:45	01/12/16 09:21
400-116171-7	P74-ROX-011116-EB	Water	01/11/16 14:15	01/12/16 09:21
400-116171-8	P74-ROX-011116	Water	01/11/16 15:20	01/12/16 09:21
400-116171-9	TB-ROX-011116-8011A	Water	01/11/16 00:00	01/12/16 09:21
400-116171-10	TB-ROX-011116-8260A	Water	01/11/16 00:00	01/12/16 09:21

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW6B-ROX-011116

Lab Sample ID: 400-116171-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.0	J	25	2.6	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	6.3		1.0	0.74	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.029	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.067	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW6A-ROX-011116

Lab Sample ID: 400-116171-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	3.4		1.0	0.74	ug/L	1		8260B	Total/NA
Acenaphthene	0.17	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW12-ROX-011116

Lab Sample ID: 400-116171-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	25	10	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	4.3	J	25	2.6	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.085	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.16	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.35		0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[g,h,i]perylene	0.19	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[k]fluoranthene	0.14	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Chrysene	0.28		0.20	0.040	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.37		0.20	0.020	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.14	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.088	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Pyrene	0.16	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: TB-ROX-011116-8011B

Lab Sample ID: 400-116171-4

No Detections.

Client Sample ID: TB-ROX-011116-8260B

Lab Sample ID: 400-116171-5

No Detections.

Client Sample ID: P56-ROX-011116

Lab Sample ID: 400-116171-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	69	J	130	50	ug/L	5		8260B	Total/NA
Benzene	30		5.0	1.9	ug/L	5		8260B	Total/NA
2-Butanone (MEK)	32	J	130	13	ug/L	5		8260B	Total/NA
Ethylbenzene	92		5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	31		5.0	2.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	220		25	8.0	ug/L	5		8260B	Total/NA
Naphthalene	23		5.0	5.0	ug/L	5		8260B	Total/NA
N-Propylbenzene	36		5.0	3.5	ug/L	5		8260B	Total/NA
o-Xylene	6.2	J	25	3.0	ug/L	5		8260B	Total/NA
Toluene	16		5.0	3.5	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene	63		5.0	4.1	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	16		5.0	2.8	ug/L	5		8260B	Total/NA
Xylenes, Total	220		25	3.0	ug/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P56-ROX-011116 (Continued)

Lab Sample ID: 400-116171-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.57		0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.092	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Anthracene	0.21		0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	0.44		0.20	0.021	ug/L	1		8270D LL	Total/NA
Phenanthrene	1.4		0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	21		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	19		0.20	0.020	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	8.9	J	10	2.3	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	2.8	J	20	1.0	ug/L	1		8270D	Total/NA

Client Sample ID: P74-ROX-011116-EB

Lab Sample ID: 400-116171-7

No Detections.

Client Sample ID: P74-ROX-011116

Lab Sample ID: 400-116171-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	J	25	10	ug/L	1		8260B	Total/NA
Benzene	1.3		1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	3.0	J	25	2.6	ug/L	1		8260B	Total/NA
Toluene	3.2		1.0	0.70	ug/L	1		8260B	Total/NA
Xylenes, Total	1.0	J	5.0	0.60	ug/L	1		8260B	Total/NA
Di-n-octyl phthalate	0.63	J B	10	0.44	ug/L	1		8270D	Total/NA

Client Sample ID: TB-ROX-011116-8011A

Lab Sample ID: 400-116171-9

No Detections.

Client Sample ID: TB-ROX-011116-8260A

Lab Sample ID: 400-116171-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW6B-ROX-011116

Date Collected: 01/11/16 10:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/16 17:18	1
Acrolein	ND		20	10	ug/L			01/14/16 17:18	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/16 17:18	1
Benzene	ND		1.0	0.38	ug/L			01/14/16 17:18	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/16 17:18	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/16 17:18	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Bromoform	ND		5.0	0.71	ug/L			01/14/16 17:18	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/16 17:18	1
2-Butanone (MEK)	5.0	J	25	2.6	ug/L			01/14/16 17:18	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/16 17:18	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/16 17:18	1
Chloroform	ND		1.0	0.60	ug/L			01/14/16 17:18	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/16 17:18	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/16 17:18	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 17:18	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/16 17:18	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/16 17:18	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/14/16 17:18	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/16 17:18	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/16 17:18	1
2-Hexanone	ND		25	3.1	ug/L			01/14/16 17:18	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/16 17:18	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/16 17:18	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/16 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/16 17:18	1
Methyl tert-butyl ether	6.3		1.0	0.74	ug/L			01/14/16 17:18	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/16 17:18	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/16 17:18	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/16 17:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/16 17:18	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/16 17:18	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/16 17:18	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/16 17:18	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/16 17:18	1

Client Sample ID: MW6B-ROX-011116

Date Collected: 01/11/16 10:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/16 17:18	1
Styrene	ND		1.0	1.0	ug/L			01/14/16 17:18	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/16 17:18	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/16 17:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/16 17:18	1
Toluene	ND		1.0	0.70	ug/L			01/14/16 17:18	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 17:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/16 17:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/16 17:18	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/16 17:18	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/16 17:18	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/16 17:18	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/16 17:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/16 17:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/16 17:18	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/16 17:18	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/14/16 17:18	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/14/16 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*78 - 118*		*01/14/16 17:18*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/14/16 17:18*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/14/16 17:18*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1
Anthracene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Chrysene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Fluoranthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1
Fluorene	ND		0.20	0.021	ug/L		01/13/16 10:31	01/14/16 15:32	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 15:32	1
Phenanthrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1
Pyrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1
1-Methylnaphthalene	0.029	J	0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1
2-Methylnaphthalene	0.067	J	0.20	0.020	ug/L		01/13/16 10:31	01/14/16 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*68*		*33 - 138*	*01/13/16 10:31*	*01/14/16 15:32*	*1*
2-Fluorobiphenyl	*86*		*15 - 122*	*01/13/16 10:31*	*01/14/16 15:32*	*1*

Client Sample ID: MW6B-ROX-011116

Date Collected: 01/11/16 10:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-1

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	89		19 - 130	01/13/16 10:31	01/14/16 15:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 21:17	1
Benzenethiol	ND	* UJ	10	1.7	ug/L		01/13/16 10:31	01/14/16 21:17	1
Benzoic acid	ND	*	30	7.3	ug/L		01/13/16 10:31	01/14/16 21:17	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 21:17	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/13/16 10:31	01/14/16 21:17	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/13/16 10:31	01/14/16 21:17	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/13/16 10:31	01/14/16 21:17	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/13/16 10:31	01/14/16 21:17	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 21:17	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/16 10:31	01/14/16 21:17	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 21:17	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 21:17	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 21:17	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
Dibenzofuran	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 21:17	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 21:17	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
Diethyl phthalate	ND		10	0.70	ug/L		01/13/16 10:31	01/14/16 21:17	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 21:17	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/13/16 10:31	01/14/16 21:17	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/16 10:31	01/14/16 21:17	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/16 10:31	01/14/16 21:17	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 21:17	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 21:17	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/13/16 10:31	01/14/16 21:17	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/13/16 10:31	01/14/16 21:17	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/16 10:31	01/14/16 21:17	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/16 10:31	01/14/16 21:17	1
Indeno	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
Isophorone	ND		10	0.57	ug/L		01/13/16 10:31	01/14/16 21:17	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 21:17	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 21:17	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 21:17	1
4-Nitroaniline	ND		10	2.5	ug/L		01/13/16 10:31	01/14/16 21:17	1
Nitrobenzene	ND		10	0.55	ug/L		01/13/16 10:31	01/14/16 21:17	1
2-Nitrophenol	ND		10	0.65	ug/L		01/13/16 10:31	01/14/16 21:17	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/16 10:31	01/14/16 21:17	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 21:17	1

Client Sample ID: MW6B-ROX-011116

Date Collected: 01/11/16 10:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/16 10:31	01/14/16 21:17	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/13/16 10:31	01/14/16 21:17	1
Pentachlorophenol	ND		20	1.8	ug/L		01/13/16 10:31	01/14/16 21:17	1
Phenol	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 21:17	1
Pyridine	ND		10	3.2	ug/L		01/13/16 10:31	01/14/16 21:17	1
Quinoline	ND		10	6.0	ug/L		01/13/16 10:31	01/14/16 21:17	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/16 10:31	01/14/16 21:17	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*34 - 120*	*01/13/16 10:31*	*01/14/16 21:17*	*1*
2-Fluorophenol	*45*		*10 - 120*	*01/13/16 10:31*	*01/14/16 21:17*	*1*
Nitrobenzene-d5	*86*		*27 - 120*	*01/13/16 10:31*	*01/14/16 21:17*	*1*
Phenol-d5	*67*		*10 - 120*	*01/13/16 10:31*	*01/14/16 21:17*	*1*
Terphenyl-d14	*80*		*53 - 125*	*01/13/16 10:31*	*01/14/16 21:17*	*1*
2,4,6-Tribromophenol	*89*		*15 - 135*	*01/13/16 10:31*	*01/14/16 21:17*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/14/16 11:19	01/14/16 17:38	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/14/16 11:19	01/14/16 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*01/14/16 11:19*	*01/14/16 17:38*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW6A-ROX-011116

Date Collected: 01/11/16 11:10
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/16 15:35	1
Acrolein	ND		20	10	ug/L			01/14/16 15:35	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/16 15:35	1
Benzene	ND		1.0	0.38	ug/L			01/14/16 15:35	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/16 15:35	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/16 15:35	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Bromoform	ND		5.0	0.71	ug/L			01/14/16 15:35	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/16 15:35	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/16 15:35	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/16 15:35	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			01/14/16 15:35	1
Chloroform	ND		1.0	0.60	ug/L			01/14/16 15:35	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/16 15:35	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/16 15:35	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 15:35	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/16 15:35	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/16 15:35	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/14/16 15:35	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/16 15:35	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/16 15:35	1
2-Hexanone	ND		25	3.1	ug/L			01/14/16 15:35	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/16 15:35	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/16 15:35	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/16 15:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/16 15:35	1
Methyl tert-butyl ether	3.4		1.0	0.74	ug/L			01/14/16 15:35	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/16 15:35	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/16 15:35	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/16 15:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/16 15:35	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/16 15:35	1
o-Xylene	ND		5.0	0.80	ug/L			01/14/16 15:35	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/16 15:35	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/16 15:35	1

Client Sample ID: MW6A-ROX-011116

Date Collected: 01/11/16 11:10
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/16 15:35	1
Styrene	ND		1.0	1.0	ug/L			01/14/16 15:35	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/16 15:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/16 15:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/16 15:35	1
Toluene	ND		1.0	0.70	ug/L			01/14/16 15:35	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 15:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/16 15:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/16 15:35	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/16 15:35	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/16 15:35	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/16 15:35	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/16 15:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/16 15:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/16 15:35	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/16 15:35	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/14/16 15:35	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/14/16 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*		*78 - 118*		*01/14/16 15:35*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/14/16 15:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/14/16 15:35*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.17	J	0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1
Anthracene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Chrysene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Fluoranthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1
Fluorene	ND		0.20	0.021	ug/L		01/13/16 10:31	01/14/16 16:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:07	1
Phenanthrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1
Pyrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*40*		*33 - 138*	*01/13/16 10:31*	*01/14/16 16:07*	*1*
2-Fluorobiphenyl	*84*		*15 - 122*	*01/13/16 10:31*	*01/14/16 16:07*	*1*

Client Sample ID: MW6A-ROX-011116

Date Collected: 01/11/16 11:10
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-2

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		19 - 130	01/13/16 10:31	01/14/16 16:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 21:54	1
Benzenethiol	ND	UJ	10	1.7	ug/L		01/13/16 10:31	01/14/16 21:54	1
Benzoic acid	ND		30	7.3	ug/L		01/13/16 10:31	01/14/16 21:54	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 21:54	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/13/16 10:31	01/14/16 21:54	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/13/16 10:31	01/14/16 21:54	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/13/16 10:31	01/14/16 21:54	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/13/16 10:31	01/14/16 21:54	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 21:54	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/16 10:31	01/14/16 21:54	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 21:54	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 21:54	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 21:54	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
Dibenzofuran	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 21:54	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 21:54	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
Diethyl phthalate	ND		10	0.70	ug/L		01/13/16 10:31	01/14/16 21:54	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 21:54	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/13/16 10:31	01/14/16 21:54	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/16 10:31	01/14/16 21:54	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/16 10:31	01/14/16 21:54	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 21:54	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 21:54	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/13/16 10:31	01/14/16 21:54	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/13/16 10:31	01/14/16 21:54	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/16 10:31	01/14/16 21:54	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/16 10:31	01/14/16 21:54	1
Indene	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
Isophorone	ND		10	0.57	ug/L		01/13/16 10:31	01/14/16 21:54	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 21:54	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 21:54	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 21:54	1
4-Nitroaniline	ND		10	2.5	ug/L		01/13/16 10:31	01/14/16 21:54	1
Nitrobenzene	ND		10	0.55	ug/L		01/13/16 10:31	01/14/16 21:54	1
2-Nitrophenol	ND		10	0.65	ug/L		01/13/16 10:31	01/14/16 21:54	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/16 10:31	01/14/16 21:54	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 21:54	1

Client Sample ID: MW6A-ROX-011116
Date Collected: 01/11/16 11:10
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/16 10:31	01/14/16 21:54	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/13/16 10:31	01/14/16 21:54	1
Pentachlorophenol	ND		20	1.8	ug/L		01/13/16 10:31	01/14/16 21:54	1
Phenol	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 21:54	1
Pyridine	ND		10	3.2	ug/L		01/13/16 10:31	01/14/16 21:54	1
Quinoline	ND		10	6.0	ug/L		01/13/16 10:31	01/14/16 21:54	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/16 10:31	01/14/16 21:54	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*34 - 120*	*01/13/16 10:31*	*01/14/16 21:54*	*1*
2-Fluorophenol	*65*		*10 - 120*	*01/13/16 10:31*	*01/14/16 21:54*	*1*
Nitrobenzene-d5	*81*		*27 - 120*	*01/13/16 10:31*	*01/14/16 21:54*	*1*
Phenol-d5	*72*		*10 - 120*	*01/13/16 10:31*	*01/14/16 21:54*	*1*
Terphenyl-d14	*49*		*53 - 125*	*01/13/16 10:31*	*01/14/16 21:54*	*1*
2,4,6-Tribromophenol	*86*		*15 - 135*	*01/13/16 10:31*	*01/14/16 21:54*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/14/16 11:19	01/14/16 18:08	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/14/16 11:19	01/14/16 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*51 - 149*	*01/14/16 11:19*	*01/14/16 18:08*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW12-ROX-011116

Date Collected: 01/11/16 14:25
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16	J	25	10	ug/L			01/14/16 17:44	1
Acrolein	ND		20	10	ug/L			01/14/16 17:44	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/16 17:44	1
Benzene	ND		1.0	0.38	ug/L			01/14/16 17:44	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/16 17:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/16 17:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Bromoform	ND		5.0	0.71	ug/L			01/14/16 17:44	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/16 17:44	1
2-Butanone (MEK)	4.3	J	25	2.6	ug/L			01/14/16 17:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/16 17:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/16 17:44	1
Chloroform	ND		1.0	0.60	ug/L			01/14/16 17:44	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/16 17:44	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/16 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 17:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/16 17:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/16 17:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/14/16 17:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/16 17:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/16 17:44	1
2-Hexanone	ND		25	3.1	ug/L			01/14/16 17:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/16 17:44	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/16 17:44	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/16 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/16 17:44	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/16 17:44	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/16 17:44	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/16 17:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/16 17:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/16 17:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/16 17:44	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/16 17:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/16 17:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/16 17:44	1

Client Sample ID: MW12-ROX-011116

Date Collected: 01/11/16 14:25
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/16 17:44	1
Styrene	ND		1.0	1.0	ug/L			01/14/16 17:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/16 17:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/16 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/16 17:44	1
Toluene	ND		1.0	0.70	ug/L			01/14/16 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 17:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/16 17:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/16 17:44	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/16 17:44	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/16 17:44	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/16 17:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/16 17:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/16 17:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/16 17:44	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/16 17:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/14/16 17:44	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/14/16 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*78 - 118*		*01/14/16 17:44*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/14/16 17:44*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/14/16 17:44*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1
Anthracene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1
Benzo[a]anthracene	0.085	J	0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Benzo[a]pyrene	0.16	J	0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Benzo[b]fluoranthene	0.35		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Benzo[g,h,i]perylene	0.19	J	0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Benzo[k]fluoranthene	0.14	J	0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Chrysene	0.28		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Fluoranthene	0.37		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1
Fluorene	ND		0.20	0.021	ug/L		01/13/16 10:31	01/14/16 16:42	1
Indeno[1,2,3-cd]pyrene	0.14	J	0.20	0.040	ug/L		01/13/16 10:31	01/14/16 16:42	1
Phenanthrene	0.088	J	0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1
Pyrene	0.16	J	0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*53*		*33 - 138*	*01/13/16 10:31*	*01/14/16 16:42*	*1*
2-Fluorobiphenyl	*98*		*15 - 122*	*01/13/16 10:31*	*01/14/16 16:42*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		19 - 130	01/13/16 10:31	01/14/16 16:42	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 22:30	1
Benzenethiol	ND	UJ	10	1.7	ug/L		01/13/16 10:31	01/14/16 22:30	1
Benzoic acid	ND		30	7.3	ug/L		01/13/16 10:31	01/14/16 22:30	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 22:30	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/13/16 10:31	01/14/16 22:30	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/13/16 10:31	01/14/16 22:30	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/13/16 10:31	01/14/16 22:30	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/13/16 10:31	01/14/16 22:30	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 22:30	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/16 10:31	01/14/16 22:30	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 22:30	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 22:30	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 22:30	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
Dibenzofuran	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 22:30	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 22:30	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
Diethyl phthalate	ND		10	0.70	ug/L		01/13/16 10:31	01/14/16 22:30	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/13/16 10:31	01/14/16 22:30	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/13/16 10:31	01/14/16 22:30	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/16 10:31	01/14/16 22:30	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/16 10:31	01/14/16 22:30	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 22:30	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 22:30	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/13/16 10:31	01/14/16 22:30	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/13/16 10:31	01/14/16 22:30	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/16 10:31	01/14/16 22:30	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/16 10:31	01/14/16 22:30	1
Indeno	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
Isophorone	ND		10	0.57	ug/L		01/13/16 10:31	01/14/16 22:30	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 22:30	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 22:30	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 22:30	1
4-Nitroaniline	ND		10	2.5	ug/L		01/13/16 10:31	01/14/16 22:30	1
Nitrobenzene	ND		10	0.55	ug/L		01/13/16 10:31	01/14/16 22:30	1
2-Nitrophenol	ND		10	0.65	ug/L		01/13/16 10:31	01/14/16 22:30	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/16 10:31	01/14/16 22:30	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 22:30	1

Client Sample ID: MW12-ROX-011116

Date Collected: 01/11/16 14:25
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/16 10:31	01/14/16 22:30	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/13/16 10:31	01/14/16 22:30	1
Pentachlorophenol	ND		20	1.8	ug/L		01/13/16 10:31	01/14/16 22:30	1
Phenol	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 22:30	1
Pyridine	ND		10	3.2	ug/L		01/13/16 10:31	01/14/16 22:30	1
Quinoline	ND		10	6.0	ug/L		01/13/16 10:31	01/14/16 22:30	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/16 10:31	01/14/16 22:30	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*34 - 120*	*01/13/16 10:31*	*01/14/16 22:30*	*1*
2-Fluorophenol	*39*		*10 - 120*	*01/13/16 10:31*	*01/14/16 22:30*	*1*
Nitrobenzene-d5	*86*		*27 - 120*	*01/13/16 10:31*	*01/14/16 22:30*	*1*
Phenol-d5	*45*		*10 - 120*	*01/13/16 10:31*	*01/14/16 22:30*	*1*
Terphenyl-d14	*59*		*53 - 125*	*01/13/16 10:31*	*01/14/16 22:30*	*1*
2,4,6-Tribromophenol	*42*		*15 - 135*	*01/13/16 10:31*	*01/14/16 22:30*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/14/16 11:19	01/14/16 18:37	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/14/16 11:19	01/14/16 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*51 - 149*	*01/14/16 11:19*	*01/14/16 18:37*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011116-8011B

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-4

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/14/16 11:19	01/14/16 19:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/14/16 11:19	01/14/16 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*51 - 149*	*01/14/16 11:19*	*01/14/16 19:07*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011116-8260B

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 11:21	1
Acrolein	ND		20	10	ug/L			01/15/16 11:21	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 11:21	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 11:21	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 11:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 11:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 11:21	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 11:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 11:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 11:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 11:21	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 11:21	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 11:21	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 11:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 11:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 11:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 11:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 11:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 11:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 11:21	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 11:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 11:21	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 11:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 11:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 11:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 11:21	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 11:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 11:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 11:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 11:21	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 11:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 11:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 11:21	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011116-8260B
Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 11:21	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 11:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 11:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 11:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 11:21	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 11:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 11:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 11:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 11:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 11:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 11:21	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 11:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 11:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 11:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 11:21	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 11:21	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 11:21	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/15/16 11:21*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/15/16 11:21*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/15/16 11:21*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P56-ROX-011116

Date Collected: 01/11/16 13:45
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	69	J	130	50	ug/L			01/14/16 18:36	5
Acrolein	ND		100	50	ug/L			01/14/16 18:36	5
Acrylonitrile	ND		50	14	ug/L			01/14/16 18:36	5
Benzene	30		5.0	1.9	ug/L			01/14/16 18:36	5
Bromobenzene	ND		5.0	2.7	ug/L			01/14/16 18:36	5
Bromochloromethane	ND		5.0	2.6	ug/L			01/14/16 18:36	5
Bromodichloromethane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Bromoform	ND		25	3.6	ug/L			01/14/16 18:36	5
Bromomethane	ND		5.0	4.9	ug/L			01/14/16 18:36	5
2-Butanone (MEK)	32	J	130	13	ug/L			01/14/16 18:36	5
Carbon disulfide	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Chlorobenzene	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Dibromochloromethane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Chloroethane	ND		5.0	3.8	ug/L			01/14/16 18:36	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			01/14/16 18:36	5
Chloroform	ND		5.0	3.0	ug/L			01/14/16 18:36	5
1-Chlorohexane	ND		5.0	3.5	ug/L			01/14/16 18:36	5
Chloromethane	ND		5.0	4.2	ug/L			01/14/16 18:36	5
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L			01/14/16 18:36	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			01/14/16 18:36	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			01/14/16 18:36	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			01/14/16 18:36	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			01/14/16 18:36	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			01/14/16 18:36	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			01/14/16 18:36	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Ethylbenzene	92		5.0	2.5	ug/L			01/14/16 18:36	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			01/14/16 18:36	5
Hexachlorobutadiene	ND		25	4.5	ug/L			01/14/16 18:36	5
2-Hexanone	ND		130	16	ug/L			01/14/16 18:36	5
Isopropylbenzene	31		5.0	2.7	ug/L			01/14/16 18:36	5
Methylene bromide	ND		25	3.0	ug/L			01/14/16 18:36	5
Methylene Chloride	ND		25	15	ug/L			01/14/16 18:36	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			01/14/16 18:36	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			01/14/16 18:36	5
m-Xylene & p-Xylene	220		25	8.0	ug/L			01/14/16 18:36	5
Naphthalene	23		5.0	5.0	ug/L			01/14/16 18:36	5
n-Butylbenzene	ND		5.0	3.8	ug/L			01/14/16 18:36	5
N-Propylbenzene	36		5.0	3.5	ug/L			01/14/16 18:36	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			01/14/16 18:36	5
o-Xylene	6.2	J	25	3.0	ug/L			01/14/16 18:36	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			01/14/16 18:36	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			01/14/16 18:36	5

Client Sample ID: P56-ROX-011116

Date Collected: 01/11/16 13:45
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0	3.5	ug/L			01/14/16 18:36	5
Styrene	ND		5.0	5.0	ug/L			01/14/16 18:36	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			01/14/16 18:36	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			01/14/16 18:36	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Tetrachloroethene	ND		5.0	2.9	ug/L			01/14/16 18:36	5
Toluene	16		5.0	3.5	ug/L			01/14/16 18:36	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			01/14/16 18:36	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			01/14/16 18:36	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			01/14/16 18:36	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			01/14/16 18:36	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			01/14/16 18:36	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			01/14/16 18:36	5
Trichloroethene	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			01/14/16 18:36	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			01/14/16 18:36	5
1,2,4-Trimethylbenzene	63		5.0	4.1	ug/L			01/14/16 18:36	5
1,3,5-Trimethylbenzene	16		5.0	2.8	ug/L			01/14/16 18:36	5
Vinyl acetate	ND		130	10	ug/L			01/14/16 18:36	5
Vinyl chloride	ND		5.0	2.5	ug/L			01/14/16 18:36	5
Xylenes, Total	220		25	3.0	ug/L			01/14/16 18:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*78 - 118*		*01/14/16 18:36*	*5*
Dibromofluoromethane	*95*		*81 - 121*		*01/14/16 18:36*	*5*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/14/16 18:36*	*5*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.57		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1
Acenaphthylene	0.092	J	0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1
Anthracene	0.21		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Chrysene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Fluoranthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1
Fluorene	0.44		0.20	0.021	ug/L		01/13/16 10:31	01/14/16 17:17	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:17	1
Phenanthrene	1.4		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1
Pyrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1
1-Methylnaphthalene	21		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1
2-Methylnaphthalene	19		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*24*	*X*	*33 - 138*	*01/13/16 10:31*	*01/14/16 17:17*	*1*
2-Fluorobiphenyl	*72*		*15 - 122*	*01/13/16 10:31*	*01/14/16 17:17*	*1*

Client Sample ID: P56-ROX-011116

Date Collected: 01/11/16 13:45
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-6

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		19 - 130	01/13/16 10:31	01/14/16 17:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 23:07	1
Benzenethiol	ND	UJ	10	1.7	ug/L		01/13/16 10:31	01/14/16 23:07	1
Benzoic acid	ND		30	7.3	ug/L		01/13/16 10:31	01/14/16 23:07	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 23:07	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/13/16 10:31	01/14/16 23:07	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/13/16 10:31	01/14/16 23:07	1
Bis(2-ethylhexyl) phthalate	8.9	J	10	2.3	ug/L		01/13/16 10:31	01/14/16 23:07	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/13/16 10:31	01/14/16 23:07	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 23:07	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/16 10:31	01/14/16 23:07	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 23:07	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 23:07	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 23:07	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
Dibenzofuran	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 23:07	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 23:07	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
Diethyl phthalate	ND		10	0.70	ug/L		01/13/16 10:31	01/14/16 23:07	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 23:07	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/13/16 10:31	01/14/16 23:07	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/16 10:31	01/14/16 23:07	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/16 10:31	01/14/16 23:07	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 23:07	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 23:07	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/13/16 10:31	01/14/16 23:07	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/13/16 10:31	01/14/16 23:07	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/16 10:31	01/14/16 23:07	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/16 10:31	01/14/16 23:07	1
Indene	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
Isophorone	ND		10	0.57	ug/L		01/13/16 10:31	01/14/16 23:07	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 23:07	1
3 & 4 Methylphenol	2.8	J	20	1.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 23:07	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 23:07	1
4-Nitroaniline	ND		10	2.5	ug/L		01/13/16 10:31	01/14/16 23:07	1
Nitrobenzene	ND		10	0.55	ug/L		01/13/16 10:31	01/14/16 23:07	1
2-Nitrophenol	ND		10	0.65	ug/L		01/13/16 10:31	01/14/16 23:07	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/16 10:31	01/14/16 23:07	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 23:07	1

Client Sample ID: P56-ROX-011116

Date Collected: 01/11/16 13:45
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/16 10:31	01/14/16 23:07	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/13/16 10:31	01/14/16 23:07	1
Pentachlorophenol	ND		20	1.8	ug/L		01/13/16 10:31	01/14/16 23:07	1
Phenol	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 23:07	1
Pyridine	ND		10	3.2	ug/L		01/13/16 10:31	01/14/16 23:07	1
Quinoline	ND		10	6.0	ug/L		01/13/16 10:31	01/14/16 23:07	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/16 10:31	01/14/16 23:07	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*34 - 120*	*01/13/16 10:31*	*01/14/16 23:07*	*1*
2-Fluorophenol	*57*		*10 - 120*	*01/13/16 10:31*	*01/14/16 23:07*	*1*
Nitrobenzene-d5	*73*		*27 - 120*	*01/13/16 10:31*	*01/14/16 23:07*	*1*
Phenol-d5	*66*		*10 - 120*	*01/13/16 10:31*	*01/14/16 23:07*	*1*
Terphenyl-d14	*26*	X	*53 - 125*	*01/13/16 10:31*	*01/14/16 23:07*	*1*
2,4,6-Tribromophenol	*83*		*15 - 135*	*01/13/16 10:31*	*01/14/16 23:07*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/14/16 11:19	01/14/16 19:36	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/14/16 11:19	01/14/16 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*51 - 149*	*01/14/16 11:19*	*01/14/16 19:36*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P74-ROX-011116-EB

Date Collected: 01/11/16 14:15
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 11:47	1
Acrolein	ND		20	10	ug/L			01/15/16 11:47	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 11:47	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 11:47	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 11:47	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 11:47	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 11:47	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 11:47	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 11:47	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 11:47	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 11:47	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 11:47	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 11:47	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 11:47	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 11:47	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 11:47	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 11:47	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 11:47	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 11:47	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 11:47	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 11:47	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 11:47	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 11:47	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 11:47	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 11:47	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 11:47	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 11:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 11:47	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 11:47	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 11:47	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 11:47	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 11:47	1

Client Sample ID: P74-ROX-011116-EB

Date Collected: 01/11/16 14:15
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 11:47	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 11:47	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 11:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 11:47	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 11:47	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 11:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 11:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 11:47	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 11:47	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 11:47	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 11:47	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 11:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 11:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 11:47	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 11:47	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 11:47	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*78 - 118*		*01/15/16 11:47*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/15/16 11:47*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/15/16 11:47*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1
Anthracene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Chrysene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Fluoranthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1
Fluorene	ND		0.20	0.021	ug/L		01/13/16 10:31	01/14/16 17:52	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 17:52	1
Phenanthrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1
Pyrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*33 - 138*	*01/13/16 10:31*	*01/14/16 17:52*	*1*
2-Fluorobiphenyl	*90*		*15 - 122*	*01/13/16 10:31*	*01/14/16 17:52*	*1*

Client Sample ID: P74-ROX-011116-EB

Date Collected: 01/11/16 14:15
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-7

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		19 - 130	01/13/16 10:31	01/14/16 17:52	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 23:44	1
Benzenethiol	ND		10	1.7	ug/L		01/13/16 10:31	01/14/16 23:44	1
Benzoic acid	ND		30	7.3	ug/L		01/13/16 10:31	01/14/16 23:44	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 23:44	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/13/16 10:31	01/14/16 23:44	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/13/16 10:31	01/14/16 23:44	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/13/16 10:31	01/14/16 23:44	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/13/16 10:31	01/14/16 23:44	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 23:44	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/16 10:31	01/14/16 23:44	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 23:44	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 23:44	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 23:44	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
Dibenzofuran	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 23:44	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 23:44	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
Diethyl phthalate	ND		10	0.70	ug/L		01/13/16 10:31	01/14/16 23:44	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 23:44	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/13/16 10:31	01/14/16 23:44	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/16 10:31	01/14/16 23:44	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/16 10:31	01/14/16 23:44	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 23:44	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 23:44	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/13/16 10:31	01/14/16 23:44	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/13/16 10:31	01/14/16 23:44	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/16 10:31	01/14/16 23:44	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/16 10:31	01/14/16 23:44	1
Indene	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
Isophorone	ND		10	0.57	ug/L		01/13/16 10:31	01/14/16 23:44	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 23:44	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 23:44	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 23:44	1
4-Nitroaniline	ND		10	2.5	ug/L		01/13/16 10:31	01/14/16 23:44	1
Nitrobenzene	ND		10	0.55	ug/L		01/13/16 10:31	01/14/16 23:44	1
2-Nitrophenol	ND		10	0.65	ug/L		01/13/16 10:31	01/14/16 23:44	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/16 10:31	01/14/16 23:44	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 23:44	1

Client Sample ID: P74-ROX-011116-EB

Date Collected: 01/11/16 14:15
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-7

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/16 10:31	01/14/16 23:44	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/13/16 10:31	01/14/16 23:44	1
Pentachlorophenol	ND		20	1.8	ug/L		01/13/16 10:31	01/14/16 23:44	1
Phenol	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 23:44	1
Pyridine	ND		10	3.2	ug/L		01/13/16 10:31	01/14/16 23:44	1
Quinoline	ND		10	6.0	ug/L		01/13/16 10:31	01/14/16 23:44	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/16 10:31	01/14/16 23:44	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*34 - 120*	*01/13/16 10:31*	*01/14/16 23:44*	*1*
2-Fluorophenol	*43*		*10 - 120*	*01/13/16 10:31*	*01/14/16 23:44*	*1*
Nitrobenzene-d5	*64*		*27 - 120*	*01/13/16 10:31*	*01/14/16 23:44*	*1*
Phenol-d5	*45*		*10 - 120*	*01/13/16 10:31*	*01/14/16 23:44*	*1*
Terphenyl-d14	*70*		*53 - 125*	*01/13/16 10:31*	*01/14/16 23:44*	*1*
2,4,6-Tribromophenol	*60*		*15 - 135*	*01/13/16 10:31*	*01/14/16 23:44*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/14/16 11:19	01/14/16 20:06	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/14/16 11:19	01/14/16 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*51 - 149*	*01/14/16 11:19*	*01/14/16 20:06*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P74-ROX-011116

Date Collected: 01/11/16 15:20
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	23	J	25	10	ug/L			01/14/16 18:10	1
Acrolein	ND		20	10	ug/L			01/14/16 18:10	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/16 18:10	1
Benzene	1.3		1.0	0.38	ug/L			01/14/16 18:10	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/16 18:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/16 18:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Bromoform	ND		5.0	0.71	ug/L			01/14/16 18:10	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/16 18:10	1
2-Butanone (MEK)	3.0	J	25	2.6	ug/L			01/14/16 18:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/16 18:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/16 18:10	1
Chloroform	ND		1.0	0.60	ug/L			01/14/16 18:10	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/16 18:10	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/16 18:10	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 18:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/16 18:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/16 18:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/14/16 18:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/16 18:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/16 18:10	1
2-Hexanone	ND		25	3.1	ug/L			01/14/16 18:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/16 18:10	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/16 18:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/16 18:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/16 18:10	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/16 18:10	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/16 18:10	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/16 18:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/16 18:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/16 18:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/16 18:10	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/16 18:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/16 18:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/16 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/16 18:10	1
Styrene	ND		1.0	1.0	ug/L			01/14/16 18:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/16 18:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/16 18:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/16 18:10	1
Toluene	3.2		1.0	0.70	ug/L			01/14/16 18:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 18:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/16 18:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/16 18:10	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/16 18:10	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/16 18:10	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/16 18:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/16 18:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/16 18:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/16 18:10	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/16 18:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/14/16 18:10	1
Xylenes, Total	1.0	J	5.0	0.60	ug/L			01/14/16 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/14/16 18:10*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/14/16 18:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/14/16 18:10*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1
Anthracene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Chrysene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Fluoranthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1
Fluorene	ND		0.20	0.021	ug/L		01/13/16 10:31	01/14/16 18:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 18:27	1
Phenanthrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1
Pyrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*48*		*33 - 138*	*01/13/16 10:31*	*01/14/16 18:27*	*1*
2-Fluorobiphenyl	*87*		*15 - 122*	*01/13/16 10:31*	*01/14/16 18:27*	*1*

Client Sample ID: P74-ROX-011116

Date Collected: 01/11/16 15:20
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-8

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		19 - 130	01/13/16 10:31	01/14/16 18:27	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/16 10:31	01/15/16 00:20	1
Benzenethiol	ND	UJ	10	1.7	ug/L		01/13/16 10:31	01/15/16 00:20	1
Benzoic acid	ND		30	7.3	ug/L		01/13/16 10:31	01/15/16 00:20	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/13/16 10:31	01/15/16 00:20	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/13/16 10:31	01/15/16 00:20	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/13/16 10:31	01/15/16 00:20	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/13/16 10:31	01/15/16 00:20	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/13/16 10:31	01/15/16 00:20	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/13/16 10:31	01/15/16 00:20	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/16 10:31	01/15/16 00:20	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/16 10:31	01/15/16 00:20	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/13/16 10:31	01/15/16 00:20	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/16 10:31	01/15/16 00:20	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
Dibenzofuran	ND		10	0.52	ug/L		01/13/16 10:31	01/15/16 00:20	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/16 10:31	01/15/16 00:20	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
Diethyl phthalate	ND		10	0.70	ug/L		01/13/16 10:31	01/15/16 00:20	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/16 10:31	01/15/16 00:20	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/13/16 10:31	01/15/16 00:20	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/16 10:31	01/15/16 00:20	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/16 10:31	01/15/16 00:20	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/15/16 00:20	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/15/16 00:20	1
Di-n-octyl phthalate	0.63	J B	10	0.44	ug/L		01/13/16 10:31	01/15/16 00:20	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/13/16 10:31	01/15/16 00:20	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/16 10:31	01/15/16 00:20	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/16 10:31	01/15/16 00:20	1
Indene	ND		10	1.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
Isophorone	ND		10	0.57	ug/L		01/13/16 10:31	01/15/16 00:20	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/16 10:31	01/15/16 00:20	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/16 10:31	01/15/16 00:20	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/16 10:31	01/15/16 00:20	1
4-Nitroaniline	ND		10	2.5	ug/L		01/13/16 10:31	01/15/16 00:20	1
Nitrobenzene	ND		10	0.55	ug/L		01/13/16 10:31	01/15/16 00:20	1
2-Nitrophenol	ND		10	0.65	ug/L		01/13/16 10:31	01/15/16 00:20	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/16 10:31	01/15/16 00:20	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/16 10:31	01/15/16 00:20	1

Client Sample ID: P74-ROX-011116

Date Collected: 01/11/16 15:20
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-8

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/16 10:31	01/15/16 00:20	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/13/16 10:31	01/15/16 00:20	1
Pentachlorophenol	ND		20	1.8	ug/L		01/13/16 10:31	01/15/16 00:20	1
Phenol	ND		10	2.6	ug/L		01/13/16 10:31	01/15/16 00:20	1
Pyridine	ND		10	3.2	ug/L		01/13/16 10:31	01/15/16 00:20	1
Quinoline	ND		10	6.0	ug/L		01/13/16 10:31	01/15/16 00:20	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/16 10:31	01/15/16 00:20	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/16 10:31	01/15/16 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*34 - 120*	*01/13/16 10:31*	*01/15/16 00:20*	*1*
2-Fluorophenol	*55*		*10 - 120*	*01/13/16 10:31*	*01/15/16 00:20*	*1*
Nitrobenzene-d5	*82*		*27 - 120*	*01/13/16 10:31*	*01/15/16 00:20*	*1*
Phenol-d5	*61*		*10 - 120*	*01/13/16 10:31*	*01/15/16 00:20*	*1*
Terphenyl-d14	*52*	*X*	*53 - 125*	*01/13/16 10:31*	*01/15/16 00:20*	*1*
2,4,6-Tribromophenol	*66*		*15 - 135*	*01/13/16 10:31*	*01/15/16 00:20*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/14/16 11:19	01/14/16 20:36	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/14/16 11:19	01/14/16 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*51 - 149*	*01/14/16 11:19*	*01/14/16 20:36*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011116-8011A
Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-9
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0058	ug/L		01/14/16 11:19	01/14/16 21:35	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		01/14/16 11:19	01/14/16 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*51 - 149*	*01/14/16 11:19*	*01/14/16 21:35*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011116-8260A

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 12:13	1
Acrolein	ND		20	10	ug/L			01/15/16 12:13	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 12:13	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 12:13	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 12:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 12:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 12:13	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 12:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 12:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 12:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 12:13	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 12:13	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 12:13	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 12:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 12:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 12:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 12:13	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 12:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 12:13	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 12:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 12:13	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 12:13	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 12:13	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 12:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 12:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 12:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 12:13	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 12:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 12:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 12:13	1

Client Sample ID: TB-ROX-011116-8260A

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 12:13	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 12:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 12:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 12:13	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 12:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 12:13	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 12:13	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 12:13	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 12:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 12:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 12:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 12:13	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 12:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 12:13	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*78 - 118*		*01/15/16 12:13*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/15/16 12:13*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/15/16 12:13*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits
B	Compound was found in the blank and sample.
*	RPD of the LCS and LCSD 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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116171-1	MW6B-ROX-011116	114	99	96
400-116171-2	MW6A-ROX-011116	117	97	96
400-116171-2 MS	MW6A-ROX-011116	113	101	98
400-116171-2 MSD	MW6A-ROX-011116	111	102	97
400-116171-3	MW12-ROX-011116	113	97	96
400-116171-5	TB-ROX-011116-8260B	112	98	95
400-116171-6	P56-ROX-011116	116	95	97
400-116171-7	P74-ROX-011116-EB	114	100	95
400-116171-8	P74-ROX-011116	112	98	97
400-116171-10	TB-ROX-011116-8260A	113	97	95
400-116310-A-6 MS	Matrix Spike	111	102	96
400-116310-A-6 MSD	Matrix Spike Duplicate	113	103	95
LCS 400-290434/1002	Lab Control Sample	118	102	98
LCS 400-290579/1006	Lab Control Sample	113	103	96
MB 400-290434/4	Method Blank	114	98	98
MB 400-290579/4	Method Blank	111	100	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116171-1	MW6B-ROX-011116	88	45	86	67	80	89
400-116171-2	MW6A-ROX-011116	82	65	81	72	49 X	86
400-116171-3	MW12-ROX-011116	86	39	86	45	59	42
400-116171-6	P56-ROX-011116	73	57	73	66	26 X	83
400-116171-7	P74-ROX-011116-EB	63	43	64	45	70	60
400-116171-8	P74-ROX-011116	80	55	82	61	52 X	66
LCS 400-290337/2-A	Lab Control Sample	91	75	86	82	99	92
LCS 400-290337/6-A	Lab Control Sample	80	59	82	64	90	70
LCSD 400-290337/3-A	Lab Control Sample Dup	87	71	82	69	91	89
LCSD 400-290337/7-A	Lab Control Sample Dup	83	64	84	63	92	74
MB 400-290337/1-A	Method Blank	86	68	89	72	95	75

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116171-1	MW6B-ROX-011116	68	86	89
400-116171-2	MW6A-ROX-011116	40	84	82
400-116171-3	MW12-ROX-011116	53	98	84
400-116171-6	P56-ROX-011116	24 X	72	64
400-116171-7	P74-ROX-011116-EB	77	90	80
400-116171-8	P74-ROX-011116	48	87	84
LCS 400-290337/2-A	Lab Control Sample	82	77	80
LCSD 400-290337/3-A	Lab Control Sample Dup	84	82	86
MB 400-290337/1-A	Method Blank	87	92	87

Surrogate Legend
TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-116171-1	MW6B-ROX-011116	100
400-116171-2	MW6A-ROX-011116	97
400-116171-3	MW12-ROX-011116	106
400-116171-4	TB-ROX-011116-8011B	107
400-116171-6	P56-ROX-011116	96
400-116171-7	P74-ROX-011116-EB	104
400-116171-8	P74-ROX-011116	111
400-116171-9	TB-ROX-011116-8011A	105
LCS 400-290484/2-A	Lab Control Sample	83
LCSD 400-290484/3-A	Lab Control Sample Dup	97
MB 400-290484/1-A	Method Blank	89

Surrogate Legend
BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW6B-ROX-011116

Date Collected: 01/11/16 10:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 17:18	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 21:17	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290430	01/14/16 15:32	CEP	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35.1 mL	35 mL	290535	01/14/16 17:38	AM	TAL PEN

Client Sample ID: MW6A-ROX-011116

Date Collected: 01/11/16 11:10
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 15:35	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 21:54	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290430	01/14/16 16:07	CEP	TAL PEN
Total/NA	Prep	8011			36.1 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	36.1 mL	35 mL	290535	01/14/16 18:08	AM	TAL PEN

Client Sample ID: MW12-ROX-011116

Date Collected: 01/11/16 14:25
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 17:44	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 22:30	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290430	01/14/16 16:42	CEP	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.1 mL	35 mL	290535	01/14/16 18:37	AM	TAL PEN

Client Sample ID: TB-ROX-011116-8011B

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.9 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.9 mL	35 mL	290535	01/14/16 19:07	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011116-8260B

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 11:21	CLN	TAL PEN

Client Sample ID: P56-ROX-011116

Date Collected: 01/11/16 13:45
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	290434	01/14/16 18:36	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 23:07	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290430	01/14/16 17:17	CEP	TAL PEN
Total/NA	Prep	8011			33.6 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	33.6 mL	35 mL	290535	01/14/16 19:36	AM	TAL PEN

Client Sample ID: P74-ROX-011116-EB

Date Collected: 01/11/16 14:15
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 11:47	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 23:44	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290430	01/14/16 17:52	CEP	TAL PEN
Total/NA	Prep	8011			33.5 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	33.5 mL	35 mL	290535	01/14/16 20:06	AM	TAL PEN

Client Sample ID: P74-ROX-011116

Date Collected: 01/11/16 15:20
Date Received: 01/12/16 09:21

Lab Sample ID: 400-116171-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 18:10	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/15/16 00:20	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290430	01/14/16 18:27	CEP	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	34.7 mL	35 mL	290535	01/14/16 20:36	AM	TAL PEN

Client Sample ID: TB-ROX-011116-8011A

Lab Sample ID: 400-116171-9
Matrix: Water

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	33 mL	35 mL	290535	01/14/16 21:35	AM	TAL PEN

Client Sample ID: TB-ROX-011116-8260A

Lab Sample ID: 400-116171-10
Matrix: Water

Date Collected: 01/11/16 00:00
Date Received: 01/12/16 09:21

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 12:13	CLN	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290337/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 17:01	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290576	01/15/16 16:48	CEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290337/6-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 19:28	TJB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290434/1002
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 10:18	CLN	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290484/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290535	01/14/16 16:39	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290579/1006
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 09:57	CLN	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290337/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 17:36	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	290576	01/15/16 17:25	CEP	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290337/7-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 20:04	TJB	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290484/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290535	01/14/16 17:09	AM	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290337/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290490	01/14/16 16:24	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290337	01/13/16 10:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	290430	01/14/16 13:48	CEP	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: Method Blank

Lab Sample ID: MB 400-290434/4

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 11:17	CLN	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-290484/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290484	01/14/16 11:19	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290535	01/14/16 16:10	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-290579/4

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 10:56	CLN	TAL PEN

Client Sample ID: MW6A-ROX-011116

Lab Sample ID: 400-116171-2 MS

Date Collected: 01/11/16 11:10
Date Received: 01/12/16 09:21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 14:18	CLN	TAL PEN

Client Sample ID: MW6A-ROX-011116

Lab Sample ID: 400-116171-2 MSD

Date Collected: 01/11/16 11:10
Date Received: 01/12/16 09:21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290434	01/14/16 14:43	CLN	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

GC/MS VOA

Analysis Batch: 290434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-1	MW6B-ROX-011116	Total/NA	Water	8260B	
400-116171-2	MW6A-ROX-011116	Total/NA	Water	8260B	
400-116171-2 MS	MW6A-ROX-011116	Total/NA	Water	8260B	
400-116171-2 MSD	MW6A-ROX-011116	Total/NA	Water	8260B	
400-116171-3	MW12-ROX-011116	Total/NA	Water	8260B	
400-116171-6	P56-ROX-011116	Total/NA	Water	8260B	
400-116171-8	P74-ROX-011116	Total/NA	Water	8260B	
LCS 400-290434/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290434/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 290579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-5	TB-ROX-011116-8260B	Total/NA	Water	8260B	
400-116171-7	P74-ROX-011116-EB	Total/NA	Water	8260B	
400-116171-10	TB-ROX-011116-8260A	Total/NA	Water	8260B	
LCS 400-290579/1006	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290579/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 290337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-1	MW6B-ROX-011116	Total/NA	Water	3520C	
400-116171-2	MW6A-ROX-011116	Total/NA	Water	3520C	
400-116171-3	MW12-ROX-011116	Total/NA	Water	3520C	
400-116171-6	P56-ROX-011116	Total/NA	Water	3520C	
400-116171-7	P74-ROX-011116-EB	Total/NA	Water	3520C	
400-116171-8	P74-ROX-011116	Total/NA	Water	3520C	
LCS 400-290337/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-290337/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290337/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-290337/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290337/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-1	MW6B-ROX-011116	Total/NA	Water	8270D LL	290337
400-116171-2	MW6A-ROX-011116	Total/NA	Water	8270D LL	290337
400-116171-3	MW12-ROX-011116	Total/NA	Water	8270D LL	290337
400-116171-6	P56-ROX-011116	Total/NA	Water	8270D LL	290337
400-116171-7	P74-ROX-011116-EB	Total/NA	Water	8270D LL	290337
400-116171-8	P74-ROX-011116	Total/NA	Water	8270D LL	290337
MB 400-290337/1-A	Method Blank	Total/NA	Water	8270D LL	290337

Analysis Batch: 290490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-1	MW6B-ROX-011116	Total/NA	Water	8270D	290337
400-116171-2	MW6A-ROX-011116	Total/NA	Water	8270D	290337
400-116171-3	MW12-ROX-011116	Total/NA	Water	8270D	290337
400-116171-6	P56-ROX-011116	Total/NA	Water	8270D	290337

GC/MS Semi VOA (Continued)

Analysis Batch: 290490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-7	P74-ROX-011116-EB	Total/NA	Water	8270D	290337
400-116171-8	P74-ROX-011116	Total/NA	Water	8270D	290337
LCS 400-290337/2-A	Lab Control Sample	Total/NA	Water	8270D	290337
LCS 400-290337/6-A	Lab Control Sample	Total/NA	Water	8270D	290337
LCSD 400-290337/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	290337
LCSD 400-290337/7-A	Lab Control Sample Dup	Total/NA	Water	8270D	290337
MB 400-290337/1-A	Method Blank	Total/NA	Water	8270D	290337

Analysis Batch: 290576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-290337/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290337
LCSD 400-290337/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	290337

GC Semi VOA

Prep Batch: 290484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-1	MW6B-ROX-011116	Total/NA	Water	8011	
400-116171-2	MW6A-ROX-011116	Total/NA	Water	8011	
400-116171-3	MW12-ROX-011116	Total/NA	Water	8011	
400-116171-4	TB-ROX-011116-8011B	Total/NA	Water	8011	
400-116171-6	P56-ROX-011116	Total/NA	Water	8011	
400-116171-7	P74-ROX-011116-EB	Total/NA	Water	8011	
400-116171-8	P74-ROX-011116	Total/NA	Water	8011	
400-116171-9	TB-ROX-011116-8011A	Total/NA	Water	8011	
LCS 400-290484/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-290484/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 400-290484/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 290535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116171-1	MW6B-ROX-011116	Total/NA	Water	8011	290484
400-116171-2	MW6A-ROX-011116	Total/NA	Water	8011	290484
400-116171-3	MW12-ROX-011116	Total/NA	Water	8011	290484
400-116171-4	TB-ROX-011116-8011B	Total/NA	Water	8011	290484
400-116171-6	P56-ROX-011116	Total/NA	Water	8011	290484
400-116171-7	P74-ROX-011116-EB	Total/NA	Water	8011	290484
400-116171-8	P74-ROX-011116	Total/NA	Water	8011	290484
400-116171-9	TB-ROX-011116-8011A	Total/NA	Water	8011	290484
LCS 400-290484/2-A	Lab Control Sample	Total/NA	Water	8011	290484
LCSD 400-290484/3-A	Lab Control Sample Dup	Total/NA	Water	8011	290484
MB 400-290484/1-A	Method Blank	Total/NA	Water	8011	290484

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

Lab Sample ID: MB 400-290434/4
Matrix: Water
Analysis Batch: 290434

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/16 11:17	1
Acrolein	ND		20	10	ug/L			01/14/16 11:17	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/16 11:17	1
Benzene	ND		1.0	0.38	ug/L			01/14/16 11:17	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/16 11:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/16 11:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Bromoform	ND		5.0	0.71	ug/L			01/14/16 11:17	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/16 11:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/16 11:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/16 11:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/16 11:17	1
Chloroform	ND		1.0	0.60	ug/L			01/14/16 11:17	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/16 11:17	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/16 11:17	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 11:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/16 11:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/16 11:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/14/16 11:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/16 11:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/16 11:17	1
2-Hexanone	ND		25	3.1	ug/L			01/14/16 11:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/16 11:17	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/16 11:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/16 11:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/16 11:17	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/16 11:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/16 11:17	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/16 11:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/16 11:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/16 11:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/16 11:17	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/16 11:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/16 11:17	1

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

Lab Sample ID: MB 400-290434/4
Matrix: Water
Analysis Batch: 290434

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/16 11:17	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/16 11:17	1
Styrene	ND		1.0	1.0	ug/L			01/14/16 11:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/16 11:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/16 11:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/16 11:17	1
Toluene	ND		1.0	0.70	ug/L			01/14/16 11:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/16 11:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/16 11:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/16 11:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/16 11:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/16 11:17	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/16 11:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/16 11:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/16 11:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/16 11:17	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/16 11:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/14/16 11:17	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/14/16 11:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*114*		*78 - 118*		*01/14/16 11:17*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/14/16 11:17*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/14/16 11:17*	*1*

Lab Sample ID: LCS 400-290434/1002
Matrix: Water
Analysis Batch: 290434

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	222		ug/L		111	43 - 160
Acrolein	500	524		ug/L		105	38 - 160
Acrylonitrile	500	515		ug/L		103	64 - 142
Benzene	50.0	46.1		ug/L		92	70 - 130
Bromobenzene	50.0	46.8		ug/L		94	70 - 132
Bromochloromethane	50.0	44.0		ug/L		88	70 - 130
Bromodichloromethane	50.0	52.6		ug/L		105	67 - 133
Bromoform	50.0	48.9		ug/L		98	57 - 140
Bromomethane	50.0	37.0		ug/L		74	10 - 160
2-Butanone (MEK)	200	192		ug/L		96	61 - 145
Carbon disulfide	50.0	52.3		ug/L		105	61 - 137
Carbon tetrachloride	50.0	50.4		ug/L		101	61 - 137
Chlorobenzene	50.0	43.9		ug/L		88	70 - 130
Dibromochloromethane	50.0	48.1		ug/L		96	67 - 135
Chloroethane	50.0	41.4		ug/L		83	55 - 141

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

Lab Sample ID: LCS 400-290434/1002
Matrix: Water
Analysis Batch: 290434

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	50.6		ug/L		101	10 - 160
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	52.4		ug/L		105	69 - 130
Chloromethane	50.0	50.1		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	51.3		ug/L		103	68 - 130
cis-1,3-Dichloropropene	50.0	53.5		ug/L		107	69 - 132
1,2-Dichlorobenzene	50.0	45.2		ug/L		90	67 - 130
1,3-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 130
1,4-Dichlorobenzene	50.0	46.0		ug/L		92	70 - 130
Dichlorodifluoromethane	50.0	49.7		ug/L		99	41 - 146
1,1-Dichloroethane	50.0	50.5		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	51.4		ug/L		103	69 - 130
1,1-Dichloroethene	50.0	47.5		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	46.3		ug/L		93	70 - 130
1,3-Dichloropropane	50.0	47.7		ug/L		95	70 - 130
2,2-Dichloropropane	50.0	56.5		ug/L		113	52 - 135
1,1-Dichloropropene	50.0	48.9		ug/L		98	70 - 130
Ethylbenzene	50.0	45.7		ug/L		91	70 - 130
Ethyl methacrylate	50.0	46.9		ug/L		94	68 - 130
Hexachlorobutadiene	50.0	49.3		ug/L		99	53 - 140
2-Hexanone	200	209		ug/L		104	65 - 137
Isopropylbenzene	50.0	45.8		ug/L		92	70 - 130
Methylene bromide	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	48.0		ug/L		96	66 - 135
4-Methyl-2-pentanone (MIBK)	200	213		ug/L		107	69 - 138
Methyl tert-butyl ether	50.0	51.8		ug/L		104	66 - 130
m-Xylene & p-Xylene	50.0	46.9		ug/L		94	70 - 130
Naphthalene	50.0	48.5		ug/L		97	47 - 149
n-Butylbenzene	50.0	47.7		ug/L		95	67 - 130
N-Propylbenzene	50.0	49.7		ug/L		99	70 - 130
o-Chlorotoluene	50.0	54.3		ug/L		109	70 - 130
o-Xylene	50.0	46.2		ug/L		92	70 - 130
p-Chlorotoluene	50.0	50.5		ug/L		101	70 - 130
p-Isopropyltoluene	50.0	48.0		ug/L		96	65 - 130
sec-Butylbenzene	50.0	47.9		ug/L		96	66 - 130
Styrene	50.0	45.6		ug/L		91	70 - 130
tert-Butylbenzene	50.0	47.6		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.2		ug/L		100	70 - 131
Tetrachloroethene	50.0	40.3		ug/L		81	65 - 130
Toluene	50.0	44.3		ug/L		89	70 - 130
trans-1,2-Dichloroethene	50.0	47.0		ug/L		94	70 - 130
trans-1,3-Dichloropropene	50.0	48.7		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	46.2		ug/L		92	60 - 138
1,2,4-Trichlorobenzene	50.0	46.7		ug/L		93	60 - 140
1,1,1-Trichloroethane	50.0	51.6		ug/L		103	68 - 130
1,1,2-Trichloroethane	50.0	46.6		ug/L		93	70 - 130
Trichloroethene	50.0	44.8		ug/L		90	70 - 130

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

Lab Sample ID: LCS 400-290434/1002
Matrix: Water
Analysis Batch: 290434

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	50.0	41.2		ug/L		82	65 - 138
1,2,3-Trichloropropane	50.0	48.6		ug/L		97	70 - 130
1,2,4-Trimethylbenzene	50.0	48.8		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	49.5		ug/L		99	69 - 130
Vinyl acetate	100	103		ug/L		103	26 - 160
Vinyl chloride	50.0	44.1		ug/L		88	59 - 136
Xylenes, Total	100	93.1		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*118*		*76 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 400-116171-2 MS
Matrix: Water
Analysis Batch: 290434

Client Sample ID: MW6A-ROX-011116
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	238		ug/L		119	43 - 160
Acrolein	ND		500	631		ug/L		126	38 - 160
Acrylonitrile	ND		500	611		ug/L		122	62 - 149
Benzene	ND		50.0	55.3		ug/L		111	56 - 142
Bromobenzene	ND		50.0	50.8		ug/L		102	59 - 136
Bromochloromethane	ND		50.0	53.2		ug/L		106	64 - 140
Bromodichloromethane	ND		50.0	62.0		ug/L		124	59 - 143
Bromoform	ND		50.0	52.3		ug/L		105	50 - 140
Bromomethane	ND		50.0	45.3		ug/L		91	10 - 160
2-Butanone (MEK)	ND		200	221		ug/L		111	55 - 150
Carbon disulfide	ND		50.0	62.2		ug/L		124	48 - 152
Carbon tetrachloride	ND		50.0	58.8		ug/L		118	55 - 145
Chlorobenzene	ND		50.0	51.0		ug/L		102	64 - 130
Dibromochloromethane	ND		50.0	55.1		ug/L		110	56 - 143
Chloroethane	ND		50.0	50.0		ug/L		100	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	57.3		ug/L		115	60 - 141
1-Chlorohexane	ND		50.0	61.4		ug/L		123	56 - 136
Chloromethane	ND		50.0	59.4		ug/L		119	49 - 148
cis-1,2-Dichloroethene	ND		50.0	62.0		ug/L		124	59 - 143
cis-1,3-Dichloropropene	ND		50.0	62.8		ug/L		126	57 - 140
1,2-Dichlorobenzene	ND		50.0	50.9		ug/L		102	52 - 137
1,3-Dichlorobenzene	ND		50.0	51.2		ug/L		102	54 - 135
1,4-Dichlorobenzene	ND		50.0	51.3		ug/L		103	53 - 135
Dichlorodifluoromethane	ND		50.0	56.8		ug/L		114	16 - 160
1,1-Dichloroethane	ND		50.0	60.6		ug/L		121	61 - 144
1,2-Dichloroethane	ND		50.0	61.9		ug/L		124	60 - 141
1,1-Dichloroethene	ND		50.0	57.5		ug/L		115	54 - 147
1,2-Dichloropropane	ND		50.0	57.6		ug/L		115	66 - 137
1,3-Dichloropropane	ND		50.0	55.5		ug/L		111	66 - 133

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

Lab Sample ID: 400-116171-2 MS
Matrix: Water
Analysis Batch: 290434

Client Sample ID: MW6A-ROX-011116
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		50.0	65.9		ug/L		132	42 - 144
1,1-Dichloropropene	ND		50.0	59.2		ug/L		118	65 - 136
Ethylbenzene	ND		50.0	53.4		ug/L		107	58 - 131
Ethyl methacrylate	ND		50.0	53.0		ug/L		106	64 - 130
Hexachlorobutadiene	ND		50.0	51.6		ug/L		103	31 - 149
2-Hexanone	ND		200	232		ug/L		116	65 - 140
Isopropylbenzene	ND		50.0	53.9		ug/L		108	56 - 133
Methylene bromide	ND		50.0	58.5		ug/L		117	63 - 138
Methylene Chloride	ND		50.0	56.7		ug/L		113	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	246		ug/L		123	63 - 146
Methyl tert-butyl ether	3.4		50.0	63.8		ug/L		120	59 - 137
m-Xylene & p-Xylene	ND		50.0	54.6		ug/L		109	57 - 130
Naphthalene	ND		50.0	52.8		ug/L		106	25 - 160
n-Butylbenzene	ND		50.0	53.4		ug/L		107	41 - 142
N-Propylbenzene	ND		50.0	55.5		ug/L		111	51 - 138
o-Chlorotoluene	ND		50.0	54.5		ug/L		109	53 - 134
o-Xylene	ND		50.0	54.6		ug/L		109	61 - 130
p-Chlorotoluene	ND		50.0	55.9		ug/L		112	54 - 133
p-Isopropyltoluene	ND		50.0	53.3		ug/L		107	48 - 139
sec-Butylbenzene	ND		50.0	53.5		ug/L		107	50 - 138
Styrene	ND		50.0	54.1		ug/L		108	58 - 131
tert-Butylbenzene	ND		50.0	53.0		ug/L		106	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.4		ug/L		107	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	54.6		ug/L		109	66 - 135
Tetrachloroethene	ND		50.0	43.1		ug/L		86	52 - 133
Toluene	ND		50.0	52.4		ug/L		105	65 - 130
trans-1,2-Dichloroethene	ND		50.0	56.7		ug/L		113	61 - 143
trans-1,3-Dichloropropene	ND		50.0	56.2		ug/L		112	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	49.4		ug/L		99	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	49.9		ug/L		100	39 - 148
1,1,1-Trichloroethane	ND		50.0	61.2		ug/L		122	57 - 142
1,1,2-Trichloroethane	ND		50.0	54.0		ug/L		108	66 - 131
Trichloroethene	ND		50.0	53.3		ug/L		107	64 - 136
Trichlorofluoromethane	ND		50.0	48.8		ug/L		98	54 - 156
1,2,3-Trichloropropane	ND		50.0	52.2		ug/L		104	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	54.8		ug/L		110	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	55.6		ug/L		111	52 - 135
Vinyl acetate	ND		100	122		ug/L		122	26 - 160
Vinyl chloride	ND		50.0	51.7		ug/L		103	46 - 152
Xylenes, Total	ND		100	109		ug/L		109	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*113*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 400-116171-2 MSD
Matrix: Water
Analysis Batch: 290434

Client Sample ID: MW6A-ROX-011116
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	238		ug/L		119	43 - 160	0	30
Acrolein	ND		500	640		ug/L		128	38 - 160	1	31
Acrylonitrile	ND		500	621		ug/L		124	62 - 149	2	30
Benzene	ND		50.0	56.1		ug/L		112	56 - 142	2	30
Bromobenzene	ND		50.0	51.3		ug/L		103	59 - 136	1	30
Bromochloromethane	ND		50.0	54.2		ug/L		108	64 - 140	2	30
Bromodichloromethane	ND		50.0	63.0		ug/L		126	59 - 143	2	30
Bromoform	ND		50.0	52.8		ug/L		106	50 - 140	1	30
Bromomethane	ND		50.0	46.8		ug/L		94	10 - 160	3	50
2-Butanone (MEK)	ND		200	222		ug/L		111	55 - 150	0	30
Carbon disulfide	ND		50.0	62.7		ug/L		125	46 - 152	1	30
Carbon tetrachloride	ND		50.0	61.5		ug/L		123	55 - 145	4	30
Chlorobenzene	ND		50.0	52.1		ug/L		104	64 - 130	2	30
Dibromochloromethane	ND		50.0	56.2		ug/L		112	56 - 143	2	30
Chloroethane	ND		50.0	49.7		ug/L		99	50 - 151	1	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	58.7		ug/L		117	60 - 141	2	30
1-Chlorohexane	ND		50.0	63.0		ug/L		126	56 - 136	2	30
Chloromethane	ND		50.0	60.8		ug/L		122	49 - 148	2	31
cis-1,2-Dichloroethene	ND		50.0	62.7		ug/L		125	59 - 143	1	30
cis-1,3-Dichloropropene	ND		50.0	63.6		ug/L		127	57 - 140	1	30
1,2-Dichlorobenzene	ND		50.0	51.9		ug/L		104	52 - 137	2	30
1,3-Dichlorobenzene	ND		50.0	51.8		ug/L		104	54 - 135	1	30
1,4-Dichlorobenzene	ND		50.0	52.0		ug/L		104	53 - 135	1	30
Dichlorodifluoromethane	ND		50.0	58.0		ug/L		116	16 - 160	2	31
1,1-Dichloroethane	ND		50.0	61.4		ug/L		123	61 - 144	1	30
1,2-Dichloroethane	ND		50.0	63.0		ug/L		126	60 - 141	2	30
1,1-Dichloroethene	ND		50.0	57.5		ug/L		115	54 - 147	0	30
1,2-Dichloropropane	ND		50.0	57.6		ug/L		115	68 - 137	0	30
1,3-Dichloropropane	ND		50.0	55.3		ug/L		111	66 - 133	0	30
2,2-Dichloropropane	ND		50.0	67.5		ug/L		135	42 - 144	2	31
1,1-Dichloropropene	ND		50.0	59.7		ug/L		119	65 - 136	1	30
Ethylbenzene	ND		50.0	54.7		ug/L		109	58 - 131	2	30
Ethyl methacrylate	ND		50.0	54.5		ug/L		109	64 - 130	3	30
Hexachlorobutadiene	ND		50.0	65.3		ug/L		131	31 - 149	23	36
2-Hexanone	ND		200	238		ug/L		119	65 - 140	3	30
Isopropylbenzene	ND		50.0	54.9		ug/L		110	56 - 133	2	30
Methylene bromide	ND		50.0	58.5		ug/L		117	63 - 138	0	30
Methylene Chloride	ND		50.0	58.2		ug/L		116	60 - 146	3	32
4-Methyl-2-pentanone (MIBK)	ND		200	253		ug/L		126	63 - 146	3	30
Methyl tert-butyl ether	3.4		50.0	66.0		ug/L		125	59 - 137	4	30
m-Xylene & p-Xylene	ND		50.0	56.6		ug/L		113	57 - 130	4	30
Naphthalene	ND		50.0	57.3		ug/L		115	25 - 160	8	30
n-Butylbenzene	ND		50.0	57.1		ug/L		114	41 - 142	7	31
N-Propylbenzene	ND		50.0	56.5		ug/L		113	51 - 138	2	30
o-Chlorotoluene	ND		50.0	56.0		ug/L		112	53 - 134	3	30
o-Xylene	ND		50.0	56.0		ug/L		112	61 - 130	3	30
p-Chlorotoluene	ND		50.0	56.5		ug/L		113	54 - 133	1	30

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

Lab Sample ID: 400-116171-2 MSD
Matrix: Water
Analysis Batch: 290434

Client Sample ID: MW6A-ROX-011116
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	56.9		ug/L		114	48 - 139	7	30
sec-Butylbenzene	ND		50.0	55.7		ug/L		111	50 - 138	4	30
Styrene	ND		50.0	55.2		ug/L		110	58 - 131	2	30
tert-Butylbenzene	ND		50.0	54.9		ug/L		110	54 - 146	4	30
1,1,1,2-Tetrachloroethane	ND		50.0	56.1		ug/L		112	59 - 137	5	30
1,1,2,2-Tetrachloroethane	ND		50.0	55.2		ug/L		110	66 - 135	1	30
Tetrachloroethene	ND		50.0	42.8		ug/L		86	52 - 133	1	30
Toluene	ND		50.0	52.2		ug/L		104	65 - 130	0	30
trans-1,2-Dichloroethene	ND		50.0	57.0		ug/L		114	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	57.3		ug/L		115	53 - 133	2	30
1,2,3-Trichlorobenzene	ND		50.0	56.9		ug/L		114	43 - 145	14	30
1,2,4-Trichlorobenzene	ND		50.0	57.0		ug/L		114	39 - 148	13	30
1,1,1-Trichloroethane	ND		50.0	62.5		ug/L		125	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	54.3		ug/L		109	66 - 131	1	30
Trichloroethene	ND		50.0	53.8		ug/L		108	64 - 136	1	30
Trichlorofluoromethane	ND		50.0	46.4		ug/L		97	54 - 156	1	30
1,2,3-Trichloropropane	ND		50.0	53.3		ug/L		107	65 - 133	2	30
1,2,4-Trimethylbenzene	ND		50.0	56.2		ug/L		112	50 - 139	2	30
1,3,5-Trimethylbenzene	ND		50.0	57.4		ug/L		115	52 - 135	3	30
Vinyl acetate	ND		100	126		ug/L		126	26 - 160	3	33
Vinyl chloride	ND		50.0	53.5		ug/L		107	46 - 152	4	30
Xylenes, Total	ND		100	113		ug/L		113	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*111*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 400-290579/4
Matrix: Water
Analysis Batch: 290579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 10:56	1
Acrolein	ND		20	10	ug/L			01/15/16 10:56	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 10:56	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 10:56	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 10:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 10:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 10:56	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 10:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 10:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 10:56	1

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

Lab Sample ID: MB 400-290579/4
Matrix: Water
Analysis Batch: 290579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 10:56	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 10:56	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 10:56	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 10:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 10:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 10:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 10:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 10:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 10:56	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 10:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 10:56	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 10:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 10:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 10:56	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 10:56	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 10:56	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 10:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 10:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 10:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 10:56	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 10:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 10:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 10:56	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 10:56	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 10:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 10:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 10:56	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 10:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 10:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 10:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 10:56	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 10:56	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1

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

Lab Sample ID: MB 400-290579/4
Matrix: Water
Analysis Batch: 290579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 10:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 10:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 10:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 10:56	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 10:56	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*79 - 118*		*01/15/16 10:56*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/15/16 10:56*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/15/16 10:56*	*1*

Lab Sample ID: LCS 400-290579/1006
Matrix: Water
Analysis Batch: 290579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	255		ug/L		127	43 - 160
Acrolein	500	598		ug/L		120	38 - 160
Acrylonitrile	500	592		ug/L		118	64 - 142
Benzene	50.0	53.8		ug/L		108	70 - 130
Bromobenzene	50.0	48.8		ug/L		98	70 - 132
Bromochloromethane	50.0	50.6		ug/L		101	70 - 130
Bromodichloromethane	50.0	59.0		ug/L		118	67 - 133
Bromoform	50.0	49.9		ug/L		100	57 - 140
Bromomethane	50.0	41.3		ug/L		83	10 - 160
2-Butanone (MEK)	200	216		ug/L		108	61 - 145
Carbon disulfide	50.0	58.1		ug/L		116	61 - 137
Carbon tetrachloride	50.0	57.9		ug/L		116	61 - 137
Chlorobenzene	50.0	48.5		ug/L		97	70 - 130
Dibromochloromethane	50.0	51.7		ug/L		103	67 - 135
Chloroethane	50.0	46.3		ug/L		93	55 - 141
2-Chloroethyl vinyl ether	50.0	56.4		ug/L		113	10 - 160
Chloroform	50.0	54.5		ug/L		109	69 - 130
1-Chlorohexane	50.0	58.6		ug/L		117	69 - 130
Chloromethane	50.0	57.5		ug/L		115	58 - 137
cis-1,2-Dichloroethene	50.0	59.8		ug/L		120	68 - 130
cis-1,3-Dichloropropene	50.0	60.6		ug/L		121	69 - 132
1,2-Dichlorobenzene	50.0	48.0		ug/L		96	67 - 130
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	50.0		ug/L		100	41 - 146
1,1-Dichloroethane	50.0	58.3		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	59.5		ug/L		119	69 - 130
1,1-Dichloroethene	50.0	54.6		ug/L		109	63 - 134
1,2-Dichloropropane	50.0	54.7		ug/L		109	70 - 130
1,3-Dichloropropane	50.0	52.2		ug/L		104	70 - 130

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

Lab Sample ID: LCS 400-290579/1006
Matrix: Water
Analysis Batch: 290579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	63.5		ug/L		127	52 - 135
1,1-Dichloropropene	50.0	56.5		ug/L		113	70 - 130
Ethylbenzene	50.0	51.0		ug/L		102	70 - 130
Ethyl methacrylate	50.0	51.3		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	62.9		ug/L		126	53 - 140
2-Hexanone	200	230		ug/L		115	65 - 137
Isopropylbenzene	50.0	51.1		ug/L		102	70 - 130
Methylene bromide	50.0	55.3		ug/L		111	70 - 130
Methylene Chloride	50.0	54.0		ug/L		108	66 - 135
4-Methyl-2-pentanone (MIBK)	200	246		ug/L		123	69 - 138
Methyl tert-butyl ether	50.0	58.7		ug/L		117	66 - 130
m-Xylene & p-Xylene	50.0	52.7		ug/L		105	70 - 130
Naphthalene	50.0	53.8		ug/L		108	47 - 149
n-Butylbenzene	50.0	52.7		ug/L		105	67 - 130
N-Propylbenzene	50.0	53.1		ug/L		106	70 - 130
o-Chlorotoluene	50.0	51.7		ug/L		103	70 - 130
o-Xylene	50.0	51.5		ug/L		103	70 - 130
p-Chlorotoluene	50.0	53.2		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	53.0		ug/L		106	65 - 130
sec-Butylbenzene	50.0	52.3		ug/L		105	66 - 130
Styrene	50.0	51.0		ug/L		102	70 - 130
tert-Butylbenzene	50.0	51.2		ug/L		102	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 131
Tetrachloroethene	50.0	44.5		ug/L		89	65 - 130
Toluene	50.0	48.8		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	53.7		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	53.3		ug/L		107	63 - 130
1,2,3-Trichlorobenzene	50.0	54.8		ug/L		110	60 - 138
1,2,4-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 140
1,1,1-Trichloroethane	50.0	58.9		ug/L		118	68 - 130
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130
Trichloroethene	50.0	51.3		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	45.1		ug/L		90	65 - 138
1,2,3-Trichloropropane	50.0	50.0		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	53.0		ug/L		106	69 - 130
Vinyl acetate	100	118		ug/L		118	26 - 160
Vinyl chloride	50.0	50.0		ug/L		100	59 - 136
Xylenes, Total	100	104		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*113*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290337/1-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 16:24	1
Benzenethiol	ND		10	1.7	ug/L		01/13/16 10:31	01/14/16 16:24	1
Benzoic acid	ND		30	7.3	ug/L		01/13/16 10:31	01/14/16 16:24	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 16:24	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/13/16 10:31	01/14/16 16:24	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/13/16 10:31	01/14/16 16:24	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/13/16 10:31	01/14/16 16:24	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/13/16 10:31	01/14/16 16:24	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/13/16 10:31	01/14/16 16:24	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/16 10:31	01/14/16 16:24	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/16 10:31	01/14/16 16:24	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 16:24	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 16:24	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
Dibenzofuran	ND		10	0.52	ug/L		01/13/16 10:31	01/14/16 16:24	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 16:24	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
Diethyl phthalate	ND		10	0.70	ug/L		01/13/16 10:31	01/14/16 16:24	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 16:24	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/13/16 10:31	01/14/16 16:24	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/16 10:31	01/14/16 16:24	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/16 10:31	01/14/16 16:24	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 16:24	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/16 10:31	01/14/16 16:24	1
Di-n-octyl phthalate	0.489	J	10	0.44	ug/L		01/13/16 10:31	01/14/16 16:24	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/13/16 10:31	01/14/16 16:24	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/16 10:31	01/14/16 16:24	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/16 10:31	01/14/16 16:24	1
Indene	ND		10	1.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
Isophorone	ND		10	0.57	ug/L		01/13/16 10:31	01/14/16 16:24	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 16:24	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/16 10:31	01/14/16 16:24	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/16 10:31	01/14/16 16:24	1
4-Nitroaniline	ND		10	2.5	ug/L		01/13/16 10:31	01/14/16 16:24	1
Nitrobenzene	ND		10	0.55	ug/L		01/13/16 10:31	01/14/16 16:24	1
2-Nitrophenol	ND		10	0.65	ug/L		01/13/16 10:31	01/14/16 16:24	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/16 10:31	01/14/16 16:24	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 16:24	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/16 10:31	01/14/16 16:24	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/13/16 10:31	01/14/16 16:24	1
Pentachlorophenol	ND		20	1.8	ug/L		01/13/16 10:31	01/14/16 16:24	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290337/1-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10	2.6	ug/L		01/13/16 10:31	01/14/16 16:24	1
Pyridine	ND		10	3.2	ug/L		01/13/16 10:31	01/14/16 16:24	1
Quinoline	ND		10	6.0	ug/L		01/13/16 10:31	01/14/16 16:24	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/16 10:31	01/14/16 16:24	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/16 10:31	01/14/16 16:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*34 - 120*	*01/13/16 10:31*	*01/14/16 16:24*	*1*
2-Fluorophenol	*68*		*10 - 120*	*01/13/16 10:31*	*01/14/16 16:24*	*1*
Nitrobenzene-d5	*89*		*27 - 120*	*01/13/16 10:31*	*01/14/16 16:24*	*1*
Phenol-d5	*72*		*10 - 120*	*01/13/16 10:31*	*01/14/16 16:24*	*1*
Terphenyl-d14	*95*		*53 - 125*	*01/13/16 10:31*	*01/14/16 16:24*	*1*
2,4,6-Tribromophenol	*75*		*15 - 135*	*01/13/16 10:31*	*01/14/16 16:24*	*1*

Lab Sample ID: LCS 400-290337/2-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	25.0	19.5		ug/L		78	10 - 145
Benzoic acid	30.0	51.6	*	ug/L		172	10 - 120
Benzyl alcohol	25.0	24.4		ug/L		98	51 - 121
Bis(2-chloroethoxy)methane	25.0	21.6		ug/L		86	54 - 123
Bis(2-chloroethyl)ether	25.0	21.7		ug/L		87	47 - 120
bis (2-chloroisopropyl) ether	25.0	23.3		ug/L		93	20 - 142
Bis(2-ethylhexyl) phthalate	25.0	25.2		ug/L		101	62 - 140
4-Bromophenyl phenyl ether	25.0	23.8		ug/L		95	62 - 132
Butyl benzyl phthalate	25.0	26.4		ug/L		106	51 - 150
4-Chloroaniline	25.0	18.3		ug/L		73	32 - 128
4-Chloro-3-methylphenol	25.0	23.8		ug/L		95	47 - 135
2-Chloronaphthalene	25.0	23.1		ug/L		92	24 - 150
2-Chlorophenol	25.0	21.6		ug/L		86	45 - 120
4-Chlorophenyl phenyl ether	25.0	23.1		ug/L		93	61 - 133
Dibenz[a,h]acridine	30.0	29.0		ug/L		97	60 - 131
Dibenzofuran	25.0	23.4		ug/L		93	62 - 124
3,3'-Dichlorobenzidine	25.0	26.1		ug/L		105	16 - 167
2,4-Dichlorophenol	25.0	22.4		ug/L		90	52 - 125
Diethyl phthalate	25.0	24.7		ug/L		99	55 - 140
2,4-Dimethylphenol	25.0	21.2		ug/L		85	52 - 121
Dimethyl phthalate	25.0	23.8		ug/L		95	50 - 133
Di-n-butyl phthalate	25.0	25.5		ug/L		102	59 - 144
4,6-Dinitro-ortho-cresol	50.0	50.0		ug/L		100	46 - 136
2,4-Dinitrophenol	50.0	41.7		ug/L		83	22 - 146
2,4-Dinitrotoluene	25.0	25.3		ug/L		101	54 - 141
2,6-Dinitrotoluene	25.0	25.2		ug/L		101	61 - 130
Di-n-octyl phthalate	25.0	25.2		ug/L		101	55 - 140
1,4-Dioxane	25.0	18.4		ug/L		74	10 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290337/2-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Diphenylhydrazine (as Azobenzene)	25.0	24.4		ug/L		98	56 - 139
Hexachlorobenzene	25.0	24.3		ug/L		97	60 - 138
Hexachlorocyclopentadiene	25.0	10.7	J	ug/L		43	1 - 139
Hexachloroethane	25.0	18.7		ug/L		75	46 - 121
Indene	30.0	25.2		ug/L		84	17 - 141
Isophorone	25.0	22.3		ug/L		89	57 - 122
2-Methylphenol	25.0	23.4		ug/L		93	38 - 121
3 & 4 Methylphenol	25.0	22.6		ug/L		90	43 - 126
2-Nitroaniline	25.0	30.9		ug/L		124	52 - 135
3-Nitroaniline	25.0	21.0		ug/L		84	51 - 128
4-Nitroaniline	25.0	23.0		ug/L		92	38 - 141
Nitrobenzene	25.0	21.8		ug/L		87	52 - 128
2-Nitrophenol	25.0	22.7		ug/L		91	47 - 129
4-Nitrophenol	50.0	41.7		ug/L		83	34 - 137
N-Nitrosodimethylamine	25.0	21.3		ug/L		85	21 - 134
N-Nitrosodi-n-propylamine	25.0	23.4		ug/L		94	41 - 143
N-Nitrosodiphenylamine	80.0	48.2		ug/L		60	10 - 185
Pentachlorophenol	50.0	47.3		ug/L		95	38 - 138
Phenol	25.0	20.7		ug/L		83	37 - 120
Pyridine	25.0	17.8		ug/L		71	10 - 127
Quinoline	30.0	25.6		ug/L		85	10 - 164
2,4,5-Trichlorophenol	25.0	24.6		ug/L		99	53 - 130
2,4,6-Trichlorophenol	25.0	24.0		ug/L		96	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*34 - 120*
2-Fluorophenol	*75*		*10 - 120*
Nitrobenzene-d5	*86*		*27 - 120*
Phenol-d5	*82*		*10 - 120*
Terphenyl-d14	*99*		*53 - 125*
2,4,6-Tribromophenol	*92*		*15 - 135*

Lab Sample ID: LCS 400-290337/6-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	ND	*	ug/L		2	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*34 - 120*
2-Fluorophenol	*59*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*64*		*10 - 120*
Terphenyl-d14	*90*		*53 - 125*
2,4,6-Tribromophenol	*70*		*15 - 135*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-290337/3-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	25.0	13.9	*	ug/L		56	10 - 145	33	30
Benzoic acid	30.0	44.3	*	ug/L		148	10 - 120	15	30
Benzyl alcohol	25.0	21.5		ug/L		86	51 - 121	13	30
Bis(2-chloroethoxy)methane	25.0	20.1		ug/L		80	54 - 123	7	30
Bis(2-chloroethyl)ether	25.0	20.5		ug/L		82	47 - 120	6	30
bis (2-chloroisopropyl) ether	25.0	21.5		ug/L		86	20 - 142	8	30
Bis(2-ethylhexyl) phthalate	25.0	24.3		ug/L		97	62 - 140	4	30
4-Bromophenyl phenyl ether	25.0	22.1		ug/L		88	62 - 132	7	30
Butyl benzyl phthalate	25.0	24.3		ug/L		97	51 - 150	8	30
4-Chloroaniline	25.0	15.2		ug/L		61	32 - 128	18	30
4-Chloro-3-methylphenol	25.0	22.0		ug/L		88	47 - 135	8	30
2-Chloronaphthalene	25.0	21.9		ug/L		88	24 - 150	5	30
2-Chlorophenol	25.0	20.4		ug/L		82	45 - 120	6	30
4-Chlorophenyl phenyl ether	25.0	22.1		ug/L		88	61 - 133	5	30
Dibenz[a,h]acridine	30.0	28.9		ug/L		96	60 - 131	0	30
Dibenzofuran	25.0	22.3		ug/L		89	62 - 124	5	30
3,3'-Dichlorobenzidine	25.0	20.9		ug/L		83	16 - 167	22	30
2,4-Dichlorophenol	25.0	21.3		ug/L		85	52 - 125	5	30
Diethyl phthalate	25.0	23.4		ug/L		94	55 - 140	5	30
2,4-Dimethylphenol	25.0	19.6		ug/L		78	52 - 121	8	30
Dimethyl phthalate	25.0	22.2		ug/L		89	50 - 133	7	30
Di-n-butyl phthalate	25.0	24.6		ug/L		98	59 - 144	4	30
4,6-Dinitro-ortho-cresol	50.0	46.7		ug/L		93	46 - 136	7	30
2,4-Dinitrophenol	50.0	39.5		ug/L		79	22 - 146	5	30
2,4-Dinitrotoluene	25.0	24.1		ug/L		97	54 - 141	5	30
2,6-Dinitrotoluene	25.0	23.3		ug/L		93	61 - 130	8	30
Di-n-octyl phthalate	25.0	24.3		ug/L		97	55 - 140	4	30
1,4-Dioxane	25.0	16.0		ug/L		64	10 - 130	14	30
1,2-Diphenylhydrazine (as Azobenzene)	25.0	22.9		ug/L		92	55 - 139	6	30
Hexachlorobenzene	25.0	22.8		ug/L		91	60 - 138	6	30
Hexachlorocyclopentadiene	25.0	10.9	J	ug/L		44	1 - 139	3	30
Hexachloroethane	25.0	18.2		ug/L		73	46 - 121	3	30
Indeno	30.0	23.9		ug/L		80	17 - 141	5	30
Isophorone	25.0	20.9		ug/L		84	57 - 122	6	30
2-Methylphenol	25.0	21.6		ug/L		86	38 - 121	8	30
3 & 4 Methylphenol	25.0	20.4		ug/L		81	43 - 126	10	30
2-Nitroaniline	25.0	29.1		ug/L		116	52 - 135	6	30
3-Nitroaniline	25.0	19.4		ug/L		77	51 - 128	8	30
4-Nitroaniline	25.0	22.0		ug/L		88	38 - 141	5	30
Nitrobenzene	25.0	20.5		ug/L		82	52 - 128	6	30
2-Nitrophenol	25.0	21.3		ug/L		85	47 - 129	6	30
4-Nitrophenol	50.0	38.0		ug/L		76	34 - 137	9	30
N-Nitrosodimethylamine	25.0	18.4		ug/L		74	21 - 134	15	30
N-Nitrosodi-n-propylamine	25.0	22.0		ug/L		88	41 - 143	6	30
N-Nitrosodiphenylamine	80.0	44.3		ug/L		55	10 - 185	8	30
Pentachlorophenol	50.0	46.1		ug/L		92	38 - 138	3	30
Phenol	25.0	17.1		ug/L		68	37 - 120	19	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-290337/3-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyridine	25.0	10.9	*	ug/L		44	10 - 127	48	30
Quinoline	30.0	20.8		ug/L		69	10 - 164	21	30
2,4,5-Trichlorophenol	25.0	23.2		ug/L		93	53 - 130	6	30
2,4,6-Trichlorophenol	25.0	22.3		ug/L		89	52 - 131	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*71*		*10 - 120*
Nitrobenzene-d5	*82*		*27 - 120*
Phenol-d5	*69*		*10 - 120*
Terphenyl-d14	*91*		*53 - 125*
2,4,6-Tribromophenol	*89*		*15 - 135*

Lab Sample ID: LCSD 400-290337/7-A
Matrix: Water
Analysis Batch: 290490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	16.9		ug/L		56	20 - 150	NaN	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*34 - 120*
2-Fluorophenol	*64*		*10 - 120*
Nitrobenzene-d5	*84*		*27 - 120*
Phenol-d5	*63*		*10 - 120*
Terphenyl-d14	*92*		*53 - 125*
2,4,6-Tribromophenol	*74*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290337/1-A
Matrix: Water
Analysis Batch: 290430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1
Anthracene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Chrysene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Fluoranthene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1
Fluorene	ND		0.20	0.021	ug/L		01/13/16 10:31	01/14/16 13:48	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-290337/1-A
Matrix: Water
Analysis Batch: 290430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/13/16 10:31	01/14/16 13:48	1
Phenanthrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1
Pyrene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/13/16 10:31	01/14/16 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*87*		*33 - 138*	*01/13/16 10:31*	*01/14/16 13:48*	*1*
2-Fluorobiphenyl	*92*		*15 - 122*	*01/13/16 10:31*	*01/14/16 13:48*	*1*
Nitrobenzene-d5	*87*		*19 - 130*	*01/13/16 10:31*	*01/14/16 13:48*	*1*

Lab Sample ID: LCS 400-290337/2-A
Matrix: Water
Analysis Batch: 290576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	25.0	19.6		ug/L		78	41 - 120
Acenaphthylene	25.0	19.4		ug/L		78	44 - 120
Anthracene	25.0	19.1		ug/L		76	49 - 120
Benzo[a]anthracene	25.0	20.1		ug/L		81	61 - 135
Benzo[a]pyrene	25.0	17.6		ug/L		70	52 - 120
Benzo[b]fluoranthene	25.0	20.9		ug/L		84	53 - 134
Benzo[g,h,i]perylene	25.0	20.1		ug/L		81	47 - 133
Benzo[k]fluoranthene	25.0	19.1		ug/L		77	57 - 134
Chrysene	25.0	20.1		ug/L		80	55 - 122
Dibenz(a,h)anthracene	25.0	21.2		ug/L		85	48 - 146
Fluoranthene	25.0	20.3		ug/L		81	54 - 128
Fluorene	25.0	20.9		ug/L		84	45 - 125
Indeno[1,2,3-cd]pyrene	25.0	20.5		ug/L		82	43 - 142
Phenanthrene	25.0	19.4		ug/L		78	48 - 120
Pyrene	25.0	20.0		ug/L		80	48 - 132
1-Methylnaphthalene	25.0	19.4		ug/L		77	41 - 120
2-Methylnaphthalene	25.0	19.2		ug/L		77	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*82*		*33 - 138*
2-Fluorobiphenyl	*77*		*15 - 122*
Nitrobenzene-d5	*80*		*19 - 130*

Lab Sample ID: LCSD 400-290337/3-A
Matrix: Water
Analysis Batch: 290576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	25.0	20.6		ug/L		83	41 - 120	5	56
Acenaphthylene	25.0	20.2		ug/L		81	44 - 120	4	56
Anthracene	25.0	20.2		ug/L		81	49 - 120	6	51
Benzo[a]anthracene	25.0	21.0		ug/L		84	61 - 135	4	49

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 400-290337/3-A
Matrix: Water
Analysis Batch: 290576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290337

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	25.0	17.9		ug/L		72	52 - 120	2	50
Benzo[b]fluoranthene	25.0	21.4		ug/L		85	53 - 134	2	54
Benzo[g,h,i]perylene	25.0	20.9		ug/L		84	47 - 133	4	50
Benzo[k]fluoranthene	25.0	19.8		ug/L		79	57 - 134	4	52
Chrysene	25.0	20.8		ug/L		83	55 - 122	3	50
Dibenz(a,h)anthracene	25.0	21.8		ug/L		87	48 - 146	3	50
Fluoranthene	25.0	21.0		ug/L		84	54 - 128	3	52
Fluorene	25.0	21.7		ug/L		87	45 - 125	4	56
Indeno[1,2,3-cd]pyrene	25.0	21.4		ug/L		86	43 - 142	4	51
Phenanthrene	25.0	20.5		ug/L		82	48 - 120	6	56
Pyrene	25.0	20.8		ug/L		83	48 - 132	4	52
1-Methylnaphthalene	25.0	20.3		ug/L		81	41 - 120	5	55
2-Methylnaphthalene	25.0	20.1		ug/L		80	32 - 124	4	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*84*		*33 - 138*
2-Fluorobiphenyl	*82*		*15 - 122*
Nitrobenzene-d5	*86*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290484/1-A
Matrix: Water
Analysis Batch: 290535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/14/16 11:19	01/14/16 16:10	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/14/16 11:19	01/14/16 16:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*51 - 149*	*01/14/16 11:19*	*01/14/16 16:10*	*1*

Lab Sample ID: LCS 400-290484/2-A
Matrix: Water
Analysis Batch: 290535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0778		ug/L		78	60 - 140
1,2-Dibromoethane	0.100	0.0844		ug/L		84	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*83*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 400-290484/3-A
Matrix: Water
Analysis Batch: 290535

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.0822		ug/L		82	60 - 140	5	30
1,2-Dibromoethane	0.100	0.0911		ug/L		91	60 - 140	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ ONSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))

☐ Other (_____)

Lab Vendor # 1364569 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _SW. SERVICES_____

Print Bill To Contact Name: Bob Billman

PlaNet Site or Project ID: 25278

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 11 JAN 2016

PAGE: 1 of 1

PO #: 60477387 - 1.03.001/1.030011

GSAP Project ID: USPC/00114/R/02

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Numbers: Roxana Quarterly GW 60477387 - 1.03.001/1.030011

ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110

EDF DELIVERABLE TO (Name, Company, Office Location):

PHONE NO.:

EMAIL:

AECOM Email ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow

SAMPLER NAME(S) (Print): S. JANSEN; D. HAXEL; C. WILLIAMS; E. Schumacher

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

REQUESTED ANALYSIS

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

UNIT COST 60477387 - 1.03.0011

NON-UNIT COST 60477387 - 1.03.001

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1: _____ Cooler #2: _____ Cooler #3: _____

SPECIAL INSTRUCTIONS OR NOTES:
- Please include "J" values on Reports
- Please provide sample receipt upon login
- Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

400-116171 COC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	PRESERVATIVE HNO3	PRESERVATIVE H2SO4	PRESERVATIVE NONE	PRESERVATIVE OTHER	NO. OF CONT.	VOC 8011	PAH 8270LL	VOC 8260	SVOC 8270
	MW6B-ROX-011116	11/JAN	1000	Water	4			3		7	X	X	X	X
	MW6A-ROX-011116		1110		4			3		7	X	X	X	X
	MW12-ROX-011116		1425		4			3		7	X	X	X	X
	TB-ROX-011116-8011B		0000		2					2	X			
	TB-ROX-011116-8260B		0000		2					2			X	
	P56-ROX-011116		1345		4			3		7	X	X	X	X
	P74-ROX-011116-EB		1415		4			3		7	X	X	X	X
	P74-ROX-011116		1520		4			3		7	X	X	X	X
	TB-ROX-011116-8011A		0000		2					2	X			
	TB-ROX-011116-8260A		0000		2					2			X	

Relinquished by: (Signature) _____ Received by: (Signature) FedEx 8092 2040 8009 Date: 11 JAN. 2016 Time: 1730

Relinquished by: (Signature) _____ Received by: (Signature) _____ Date: 1/12/16 Time: 0921

Relinquished by: (Signature) _____ Received by: (Signature) _____ Date: _____ Time: _____

Version: 14Dec15

Custody seals: Test America 523250
AECOM 011116-A
011116-B

0.6°, 1.0°C, 0.6°C IR6

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2/15/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116171-1
SDG Number: Proj. 60477387-1.03.001/1.03.0011

Login Number: 116171
List Number: 1
Creator: Perez, Trina M

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	0.6°C, 1.0°C, 0.6°C IR-6
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116171-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16 *
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	05-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116253-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 1/29/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW16-ROX-011216	P54-ROX-011216-EB
P54-ROX-011216	MW11-ROX-011216
TB-ROX-011216-8260B	TB-ROX-011216-8011B

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that 2-chloroethyl vinyl ether MS/MSD recoveries and MS/MSD RPDs were outside evaluation criteria in sample MW16-ROX-011216. This issue is addressed further in the appropriate section below.

Additionally, the continuing calibration verification for hexachlorocyclopentadiene and benzenethiol exceeded evaluation criteria above the upper control limit, and benzo[g,h,i]perylene exceeded evaluation criteria, biased low. Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form indicated that three of four coolers were received by the laboratory at temperatures of 1.5°C, 1.6°C, and 1.6°C, which are outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, although not requested, sample MW16-ROX-011216 was spiked and analyzed for Method 8260 VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW16-ROX-011216	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50

LCS/LCSD recoveries were within evaluation criteria; no further qualification of data was required.

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

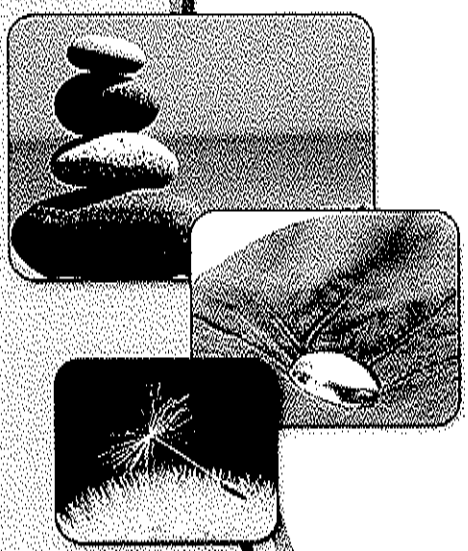
Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verification for benzo[g,h,i]perylene was below acceptance criteria. Benzo[g,h,i]perylene was qualified as summarized in the following table.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW16-ROX-011216	PAHs	Benzo[g,h,i]perylene	-	**UJ**
P54-ROX-011216	PAHs	Benzo[g,h,i]perylene	-	**UJ**
MW11-ROX-011216	PAHs	Benzo[g,h,i]perylene	-	**UJ**



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116253-1
TestAmerica SDG: Proj. 60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn S. Hooper

Authorized for release by:
1/22/2016 5:42:25 PM

Carolyn Hooper, Project Manager I
(850)474-1001
carolyn.hooper@testamericainc.com

..... LINKS .....

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Reviewed 1/29/16 MH

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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Job ID: 400-116253-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116253-1

Receipt
The samples were received on 1/13/2016 9:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.5°C, 1.6°C, 1.6°C and 2.3°C.

GC/MS VOA
Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW16-ROX-011216 (400-116253-1), P54-ROX-011216-EB (400-116253-2), P54-ROX-011216 (400-116253-3), MW11-ROX-011216 (400-116253-4) and TB-ROX-011216-8260B (400-116253-5). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-290745 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for batch 290745 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-290700 recovered above the upper control limit for Hexachlorocyclopentadiene and Benzenethiol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW16-ROX-011216 (400-116253-1), P54-ROX-011216-EB (400-116253-2), P54-ROX-011216 (400-116253-3), MW11-ROX-011216 (400-116253-4) and (MB 400-290632/1-A).

Method 8270D LL: The continuing calibration verification (CCV) associated with batch 400-291156 recovered outside acceptance criteria, low biased, for Benzo[g,h,i]perylene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116253-1	MW16-ROX-011216	Water	01/12/16 10:35	01/13/16 09:33
400-116253-2	P54-ROX-011216-EB	Water	01/12/16 10:55	01/13/16 09:33
400-116253-3	P54-ROX-011216	Water	01/12/16 13:15	01/13/16 09:33
400-116253-4	MW11-ROX-011216	Water	01/12/16 14:20	01/13/16 09:33
400-116253-5	TB-ROX-011216-8260B	Water	01/12/16 00:00	01/13/16 09:33
400-116253-6	TB-ROX-011216-8011B	Water	01/12/16 00:00	01/13/16 09:33

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW16-ROX-011216

Lab Sample ID: 400-116253-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	25	10	ug/L	1		8260B	Total/NA
Benzene	0.92	J	1.0	0.38	ug/L	1		8260B	Total/NA
Carbon disulfide	1.5		1.0	0.50	ug/L	1		8260B	Total/NA

5

Client Sample ID: P54-ROX-011216-EB

Lab Sample ID: 400-116253-2

No Detections.

Client Sample ID: P54-ROX-011216

Lab Sample ID: 400-116253-3

No Detections.

Client Sample ID: MW11-ROX-011216

Lab Sample ID: 400-116253-4

No Detections.

Client Sample ID: TB-ROX-011216-8260B

Lab Sample ID: 400-116253-5

No Detections.

Client Sample ID: TB-ROX-011216-8011B

Lab Sample ID: 400-116253-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW16-ROX-011216

Date Collected: 01/12/16 10:35
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16	J	25	10	ug/L			01/18/16 09:45	1
Acrolein	ND		20	10	ug/L			01/18/16 09:45	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/16 09:45	1
Benzene	0.92	J	1.0	0.38	ug/L			01/18/16 09:45	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/16 09:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/16 09:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Bromoform	ND		5.0	0.71	ug/L			01/18/16 09:45	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/16 09:45	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/16 09:45	1
Carbon disulfide	1.5		1.0	0.50	ug/L			01/18/16 09:45	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/16 09:45	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			01/18/16 09:45	1
Chloroform	ND		1.0	0.60	ug/L			01/18/16 09:45	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/16 09:45	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/16 09:45	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 09:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/16 09:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/16 09:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/16 09:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/16 09:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/16 09:45	1
2-Hexanone	ND		25	3.1	ug/L			01/18/16 09:45	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/16 09:45	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/16 09:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/16 09:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/16 09:45	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/16 09:45	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/16 09:45	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/16 09:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/16 09:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/16 09:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/16 09:45	1
o-Xylene	ND		5.0	0.80	ug/L			01/18/16 09:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/16 09:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/16 09:45	1

Client Sample ID: MW16-ROX-011216

Date Collected: 01/12/16 10:35
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/16 09:45	1
Styrene	ND		1.0	1.0	ug/L			01/18/16 09:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/16 09:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/16 09:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/16 09:45	1
Toluene	ND		1.0	0.70	ug/L			01/18/16 09:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 09:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/16 09:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/16 09:45	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/16 09:45	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/16 09:45	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/16 09:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/16 09:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/16 09:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/16 09:45	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/16 09:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/16 09:45	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/16 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*01/18/16 09:45*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*01/18/16 09:45*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*01/18/16 09:45*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Benzo[g,h,i]perylene	ND	U:5	0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 01:25	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 01:25	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*87*		*33 - 136*	*01/15/16 09:58*	*01/21/16 01:25*	*1*
2-Fluorobiphenyl	*90*		*15 - 122*	*01/15/16 09:58*	*01/21/16 01:25*	*1*

Client Sample ID: MW16-ROX-011216

Date Collected: 01/12/16 10:35
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-1

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		19 - 130	01/15/16 09:58	01/21/16 01:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 20:28	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 20:28	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 20:28	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 20:28	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 20:28	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 20:28	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 20:28	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 20:28	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 20:28	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 20:28	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 20:28	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 20:28	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 20:28	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 20:28	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 20:28	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 20:28	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 20:28	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 20:28	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 20:28	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 20:28	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 20:28	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 20:28	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 20:28	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 20:28	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 20:28	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 20:28	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 20:28	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 20:28	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 20:28	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 20:28	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 20:28	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 20:28	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 20:28	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 20:28	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 20:28	1

Client Sample ID: MW16-ROX-011216

Date Collected: 01/12/16 10:35
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 20:28	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 20:28	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 20:28	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 20:28	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 20:28	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 20:28	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 20:28	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*34 - 120*	*01/15/16 09:58*	*01/18/16 20:28*	*1*
2-Fluorophenol	*66*		*10 - 120*	*01/15/16 09:58*	*01/18/16 20:28*	*1*
Nitrobenzene-d5	*89*		*27 - 120*	*01/15/16 09:58*	*01/18/16 20:28*	*1*
Phenol-d5	*76*		*10 - 120*	*01/15/16 09:58*	*01/18/16 20:28*	*1*
Terphenyl-d14	*81*		*53 - 125*	*01/15/16 09:58*	*01/18/16 20:28*	*1*
2,4,6-Tribromophenol	*80*		*15 - 135*	*01/15/16 09:58*	*01/18/16 20:28*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0054	ug/L		01/15/16 08:15	01/15/16 15:20	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/15/16 08:15	01/15/16 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*51 - 149*	*01/15/16 08:15*	*01/15/16 15:20*	*1*

Client Sample ID: P54-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/16 08:57	1
Acrolein	ND		20	10	ug/L			01/18/16 08:57	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/16 08:57	1
Benzene	ND		1.0	0.38	ug/L			01/18/16 08:57	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/16 08:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/16 08:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Bromoform	ND		5.0	0.71	ug/L			01/18/16 08:57	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/16 08:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/16 08:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/16 08:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/16 08:57	1
Chloroform	ND		1.0	0.60	ug/L			01/18/16 08:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/16 08:57	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/16 08:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 08:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/16 08:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/16 08:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/16 08:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/16 08:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/16 08:57	1
2-Hexanone	ND		25	3.1	ug/L			01/18/16 08:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/16 08:57	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/16 08:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/16 08:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/16 08:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/16 08:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/16 08:57	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/16 08:57	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/16 08:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/16 08:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/16 08:57	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/16 08:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/16 08:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/16 08:57	1

Client Sample ID: P54-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/16 08:57	1
Styrene	ND		1.0	1.0	ug/L			01/18/16 08:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/16 08:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/16 08:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/16 08:57	1
Toluene	ND		1.0	0.70	ug/L			01/18/16 08:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 08:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/16 08:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/16 08:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/16 08:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/16 08:57	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/16 08:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/16 08:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/16 08:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/16 08:57	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/16 08:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/16 08:57	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/18/16 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*01/18/16 08:57*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*01/18/16 08:57*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*01/18/16 08:57*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 02:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:02	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*107*		*33 - 138*	*01/15/16 09:58*	*01/21/16 02:02*	*1*
2-Fluorobiphenyl	*86*		*15 - 122*	*01/15/16 09:58*	*01/21/16 02:02*	*1*

Client Sample ID: P54-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-2

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		19 - 130	01/15/16 09:58	01/21/16 02:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 21:04	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 21:04	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 21:04	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 21:04	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 21:04	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 21:04	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 21:04	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 21:04	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 21:04	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 21:04	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 21:04	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 21:04	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 21:04	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 21:04	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 21:04	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 21:04	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:04	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 21:04	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 21:04	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 21:04	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 21:04	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 21:04	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 21:04	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 21:04	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 21:04	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 21:04	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 21:04	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 21:04	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 21:04	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 21:04	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 21:04	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 21:04	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 21:04	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 21:04	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:04	1

Client Sample ID: P54-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 21:04	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 21:04	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 21:04	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 21:04	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 21:04	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 21:04	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 21:04	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*34 - 120*	*01/15/16 09:58*	*01/18/16 21:04*	*1*
2-Fluorophenol	*68*		*10 - 120*	*01/15/16 09:58*	*01/18/16 21:04*	*1*
Nitrobenzene-d5	*90*		*27 - 120*	*01/15/16 09:58*	*01/18/16 21:04*	*1*
Phenol-d5	*79*		*10 - 120*	*01/15/16 09:58*	*01/18/16 21:04*	*1*
Terphenyl-d14	*100*		*53 - 125*	*01/15/16 09:58*	*01/18/16 21:04*	*1*
2,4,6-Tribromophenol	*69*		*15 - 135*	*01/15/16 09:58*	*01/18/16 21:04*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/16 08:15	01/15/16 16:20	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/16 08:15	01/15/16 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*119*		*51 - 149*	*01/15/16 08:15*	*01/15/16 16:20*	*1*

Client Sample ID: P54-ROX-011216

Date Collected: 01/12/16 13:15
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/16 10:09	1
Acrolein	ND		20	10	ug/L			01/18/16 10:09	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/16 10:09	1
Benzene	ND		1.0	0.38	ug/L			01/18/16 10:09	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/16 10:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/16 10:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Bromoform	ND		5.0	0.71	ug/L			01/18/16 10:09	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/16 10:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/16 10:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Dibromochloromethane	ND		1.0	0.60	ug/L			01/18/16 10:09	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/16 10:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/16 10:09	1
Chloroform	ND		1.0	0.60	ug/L			01/18/16 10:09	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/16 10:09	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/16 10:09	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 10:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/16 10:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/16 10:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/16 10:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/16 10:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/16 10:09	1
2-Hexanone	ND		25	3.1	ug/L			01/18/16 10:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/16 10:09	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/16 10:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/16 10:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/16 10:09	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/16 10:09	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/16 10:09	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/16 10:09	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/16 10:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/16 10:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/16 10:09	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/16 10:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/16 10:09	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/16 10:09	1

Client Sample ID: P54-ROX-011216

Date Collected: 01/12/16 13:15
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/16 10:09	1
Styrene	ND		1.0	1.0	ug/L			01/18/16 10:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/16 10:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/16 10:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/16 10:09	1
Toluene	ND		1.0	0.70	ug/L			01/18/16 10:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 10:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/16 10:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/16 10:09	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/16 10:09	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/16 10:09	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Trichlorofluoromethane	ND		1.0	0.62	ug/L			01/18/16 10:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/16 10:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/16 10:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/16 10:09	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/16 10:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/16 10:09	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/18/16 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*01/18/16 10:09*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*01/18/16 10:09*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*01/18/16 10:09*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Benzo[g,h,i]perylene	ND	U5	0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 02:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 02:39	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*80*		*33 - 138*	*01/15/16 09:58*	*01/21/16 02:39*	*1*
2-Fluorobiphenyl	*88*		*15 - 122*	*01/15/16 09:58*	*01/21/16 02:39*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		19 - 130	01/15/16 09:58	01/21/16 02:39	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 21:41	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 21:41	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 21:41	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 21:41	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 21:41	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 21:41	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 21:41	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 21:41	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 21:41	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 21:41	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 21:41	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 21:41	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 21:41	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 21:41	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 21:41	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 21:41	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:41	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 21:41	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 21:41	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 21:41	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 21:41	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 21:41	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 21:41	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 21:41	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 21:41	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 21:41	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 21:41	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 21:41	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 21:41	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 21:41	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 21:41	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 21:41	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 21:41	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 21:41	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:41	1

Client Sample ID: P54-ROX-011216

Date Collected: 01/12/16 13:15
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 21:41	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 21:41	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 21:41	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 21:41	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 21:41	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 21:41	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 21:41	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*34 - 120*	*01/15/16 09:58*	*01/18/16 21:41*	*1*
2-Fluorophenol	*53*		*10 - 120*	*01/15/16 09:58*	*01/18/16 21:41*	*1*
Nitrobenzene-d5	*89*		*27 - 120*	*01/15/16 09:58*	*01/18/16 21:41*	*1*
Phenol-d5	*69*		*10 - 120*	*01/15/16 09:58*	*01/18/16 21:41*	*1*
Terphenyl-d14	*79*		*53 - 125*	*01/15/16 09:58*	*01/18/16 21:41*	*1*
2,4,6-Tribromophenol	*73*		*15 - 135*	*01/15/16 09:58*	*01/18/16 21:41*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/15/16 08:15	01/15/16 16:49	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/15/16 08:15	01/15/16 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*51 - 149*	*01/15/16 08:15*	*01/15/16 16:49*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW11-ROX-011216

Date Collected: 01/12/16 14:20
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/16 10:34	1
Acrolein	ND		20	10	ug/L			01/18/16 10:34	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/16 10:34	1
Benzene	ND		1.0	0.38	ug/L			01/18/16 10:34	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/16 10:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/16 10:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Bromoform	ND		5.0	0.71	ug/L			01/18/16 10:34	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/16 10:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/16 10:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/16 10:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/16 10:34	1
Chloroform	ND		1.0	0.60	ug/L			01/18/16 10:34	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/16 10:34	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/16 10:34	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 10:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/16 10:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/16 10:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/16 10:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/16 10:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/16 10:34	1
2-Hexanone	ND		25	3.1	ug/L			01/18/16 10:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/16 10:34	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/16 10:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/16 10:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/16 10:34	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/16 10:34	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/16 10:34	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/16 10:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/16 10:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/16 10:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/16 10:34	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/16 10:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/16 10:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/16 10:34	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW11-ROX-011216
Date Collected: 01/12/16 14:20
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/16 10:34	1
Styrene	ND		1.0	1.0	ug/L			01/18/16 10:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/16 10:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/16 10:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/16 10:34	1
Toluene	ND		1.0	0.70	ug/L			01/18/16 10:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 10:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/16 10:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/16 10:34	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/16 10:34	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/16 10:34	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/16 10:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/16 10:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/16 10:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/16 10:34	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/16 10:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/16 10:34	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/18/16 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*01/18/16 10:34*	*1*
Dibromofluoromethane	*111*		*81 - 121*		*01/18/16 10:34*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/18/16 10:34*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Benzo[g,h,i]perylene	ND	U3	0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 03:17	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 03:17	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*97*		*33 - 138*	*01/15/16 09:58*	*01/21/16 03:17*	*1*
2-Fluorobiphenyl	*87*		*15 - 122*	*01/15/16 09:58*	*01/21/16 03:17*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		19 - 130	01/15/16 09:58	01/21/16 03:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 22:18	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 22:18	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 22:18	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 22:18	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 22:18	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 22:18	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 22:18	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 22:18	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 22:18	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 22:18	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 22:18	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 22:18	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 22:18	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 22:18	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 22:18	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 22:18	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:18	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 22:18	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 22:18	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 22:18	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 22:18	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 22:18	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 22:18	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 22:18	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 22:18	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 22:18	1
Indeno	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 22:18	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 22:18	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 22:18	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 22:18	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 22:18	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 22:18	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 22:18	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 22:18	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:18	1

Client Sample ID: MW11-ROX-011216
Date Collected: 01/12/16 14:20
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-4
Matrix: Water

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Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 22:18	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 22:18	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 22:18	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 22:18	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 22:18	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 22:18	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 22:18	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*34 - 120*	*01/15/16 09:58*	*01/18/16 22:18*	*1*
2-Fluorophenol	*58*		*10 - 120*	*01/15/16 09:58*	*01/18/16 22:18*	*1*
Nitrobenzene-d5	*84*		*27 - 120*	*01/15/16 09:58*	*01/18/16 22:18*	*1*
Phenol-d5	*74*		*10 - 120*	*01/15/16 09:58*	*01/18/16 22:18*	*1*
Terphenyl-d14	*94*		*53 - 125*	*01/15/16 09:58*	*01/18/16 22:18*	*1*
2,4,6-Tribromophenol	*79*		*15 - 135*	*01/15/16 09:58*	*01/18/16 22:18*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/15/16 08:15	01/15/16 17:19	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/15/16 08:15	01/15/16 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*51 - 149*	*01/15/16 08:15*	*01/15/16 17:19*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011216-8260B

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/16 09:21	1
Acrolein	ND		20	10	ug/L			01/18/16 09:21	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/16 09:21	1
Benzene	ND		1.0	0.38	ug/L			01/18/16 09:21	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/16 09:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/16 09:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Bromoform	ND		5.0	0.71	ug/L			01/18/16 09:21	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/16 09:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/16 09:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Chlorobenzene	ND		1.0	0.60	ug/L			01/18/16 09:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/16 09:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/16 09:21	1
Chloroform	ND		1.0	0.60	ug/L			01/18/16 09:21	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/16 09:21	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/16 09:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 09:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/16 09:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/16 09:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/16 09:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/16 09:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/16 09:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/16 09:21	1
2-Hexanone	ND		25	3.1	ug/L			01/18/16 09:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/16 09:21	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/16 09:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/16 09:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/16 09:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/16 09:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/16 09:21	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/16 09:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/16 09:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/16 09:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/16 09:21	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/16 09:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/16 09:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/16 09:21	1

Client Sample ID: TB-ROX-011216-8260B
Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/16 09:21	1
Styrene	ND		1.0	1.0	ug/L			01/18/16 09:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/16 09:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/16 09:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/16 09:21	1
Toluene	ND		1.0	0.70	ug/L			01/18/16 09:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 09:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/16 09:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/16 09:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/16 09:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/16 09:21	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/16 09:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/16 09:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/16 09:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/16 09:21	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/16 09:21	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/16 09:21	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/18/16 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*01/18/16 09:21*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*01/18/16 09:21*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*01/18/16 09:21*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011216-8011B

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-6

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0059	ug/L		01/15/16 08:15	01/15/16 17:49	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		01/15/16 08:15	01/15/16 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*01/15/16 08:15*	*01/15/16 17:49*	*1*

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116253-1	MW16-ROX-011216	93	110	90
400-116253-1 MS	MW16-ROX-011216	99	103	96
400-116253-1 MSD	MW16-ROX-011216	99	103	95
400-116253-2	P54-ROX-011216-EB	94	110	92
400-116253-3	P54-ROX-011216	94	110	90
400-116253-4	MW11-ROX-011216	94	111	88
400-116253-5	TB-ROX-011216-8260B	92	110	91
LCS 400-290745/1003	Lab Control Sample	101	104	97
MB 400-290745/5	Method Blank	93	111	89

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116253-1	MW16-ROX-011216	92	66	89	76	81	80
400-116253-2	P54-ROX-011216-EB	88	68	90	79	100	69
400-116253-3	P54-ROX-011216	89	53	89	69	79	73
400-116253-4	MW11-ROX-011216	87	58	84	74	94	79
400-116310-E-6-B MS	Matrix Spike	88	51	78	45	77	88
400-116310-E-6-C MSD	Matrix Spike Duplicate	92	67	86	67	90	100
LCS 400-290632/2-A	Lab Control Sample	88	75	84	82	88	84
LCS 400-290632/3-A	Lab Control Sample	90	68	92	65	96	73
LCSD 400-290632/4-A	Lab Control Sample Dup	87	66	89	72	93	70
MB 400-290632/1-A	Method Blank	80	61	85	64	86	53

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116253-1	MW16-ROX-011216	87	90	82
400-116253-2	P54-ROX-011216-EB	107	86	82
400-116253-3	P54-ROX-011216	80	88	80
400-116253-4	MW11-ROX-011216	97	87	78

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(16-122)	(19-130)
400-116310-E-6-B MS	Matrix Spike	71	80	84
400-116310-E-6-C MSD	Matrix Spike Duplicate	84	83	87
LCS 400-290632/2-A	Lab Control Sample	84	81	81
MB 400-290632/1-A	Method Blank	98	81	80

Surrogate Legend

TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-116253-1	MW16-ROX-011216	105
400-116253-2	P54-ROX-011216-EB	119
400-116253-3	P54-ROX-011216	101
400-116253-4	MW11-ROX-011216	107
400-116253-6	TB-ROX-011216-8011B	100
LCS 400-290589/2-A	Lab Control Sample	86
LCSD 400-290589/3-A	Lab Control Sample Dup	101
MB 400-290589/1-A	Method Blank	89

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW16-ROX-011216

Date Collected: 01/12/16 10:35
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 09:45	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 20:28	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/21/16 01:25	AJR	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35.5 mL	35 mL	290634	01/15/16 15:20	AM	TAL PEN

Client Sample ID: P54-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 08:57	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 21:04	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/21/16 02:02	AJR	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35.1 mL	35 mL	290634	01/15/16 16:20	AM	TAL PEN

Client Sample ID: P54-ROX-011216

Date Collected: 01/12/16 13:15
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 10:09	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 21:41	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/21/16 02:39	AJR	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35.6 mL	35 mL	290634	01/15/16 16:49	AM	TAL PEN

Client Sample ID: MW11-ROX-011216

Date Collected: 01/12/16 14:20
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 10:34	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 22:18	AJR	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW11-ROX-011216

Date Collected: 01/12/16 14:20
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/21/16 03:17	AJR	TAL PEN
Total/NA	Prep	8011			36.3 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	36.3 mL	35 mL	290634	01/15/16 17:19	AM	TAL PEN

Client Sample ID: TB-ROX-011216-8260B

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 09:21	CLN	TAL PEN

Client Sample ID: TB-ROX-011216-8011B

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			32.8 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	32.8 mL	35 mL	290634	01/15/16 17:49	AM	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290589/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290634	01/15/16 11:23	AM	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 18:38	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291037	01/20/16 17:07	CEP	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290632/3-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 19:15	AJR	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290745/1003

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 07:44	CLN	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290589/3-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290834	01/15/16 11:52	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290632/4-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 19:51	AJR	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290589/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290634	01/15/16 10:53	AM	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290632/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 18:02	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291037	01/20/16 16:29	CEP	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290745/5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 08:32	CLN	TAL PEN

Client Sample ID: MW16-ROX-011216

Date Collected: 01/12/16 10:35
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-1 MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 11:46	CLN	TAL PEN

Client Sample ID: MW16-ROX-011216

Date Collected: 01/12/16 10:35
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116253-1 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290745	01/18/16 12:11	CLN	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

GC/MS VOA

Analysis Batch: 290745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116253-1	MW16-ROX-011216	Total/NA	Water	8260B	
400-116253-1 MS	MW16-ROX-011216	Total/NA	Water	8260B	
400-116253-1 MSD	MW16-ROX-011216	Total/NA	Water	8260B	
400-116253-2	P54-ROX-011216-EB	Total/NA	Water	8260B	
400-116253-3	P54-ROX-011216	Total/NA	Water	8260B	
400-116253-4	MW11-ROX-011216	Total/NA	Water	8260B	
400-116253-5	TB-ROX-011216-8260B	Total/NA	Water	8260B	
LCS 400-290745/1003	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290745/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 290632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116253-1	MW16-ROX-011216	Total/NA	Water	3520C	
400-116253-2	P54-ROX-011216-EB	Total/NA	Water	3520C	
400-116253-3	P54-ROX-011216	Total/NA	Water	3520C	
400-116253-4	MW11-ROX-011216	Total/NA	Water	3520C	
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-290632/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290632/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290632/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116253-1	MW16-ROX-011216	Total/NA	Water	8270D	290632
400-116253-2	P54-ROX-011216-EB	Total/NA	Water	8270D	290632
400-116253-3	P54-ROX-011216	Total/NA	Water	8270D	290632
400-116253-4	MW11-ROX-011216	Total/NA	Water	8270D	290632
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	8270D	290632
LCS 400-290632/3-A	Lab Control Sample	Total/NA	Water	8270D	290632
LCSD 400-290632/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	290632
MB 400-290632/1-A	Method Blank	Total/NA	Water	8270D	290632

Analysis Batch: 291037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290632
MB 400-290632/1-A	Method Blank	Total/NA	Water	8270D LL	290632

Analysis Batch: 291156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116253-1	MW16-ROX-011216	Total/NA	Water	8270D LL	290632
400-116253-2	P54-ROX-011216-EB	Total/NA	Water	8270D LL	290632
400-116253-3	P54-ROX-011216	Total/NA	Water	8270D LL	290632
400-116253-4	MW11-ROX-011216	Total/NA	Water	8270D LL	290632

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

GC Semi VOA

Prep Batch: 290589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116253-1	MW16-ROX-011216	Total/NA	Water	8011	
400-116253-2	P54-ROX-011216-EB	Total/NA	Water	8011	
400-116253-3	P54-ROX-011216	Total/NA	Water	8011	
400-116253-4	MW11-ROX-011216	Total/NA	Water	8011	
400-116253-6	TB-ROX-011216-8011B	Total/NA	Water	8011	
LCS 400-290589/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-290589/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 400-290589/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 290634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116253-1	MW16-ROX-011216	Total/NA	Water	8011	290589
400-116253-2	P54-ROX-011216-EB	Total/NA	Water	8011	290589
400-116253-3	P54-ROX-011216	Total/NA	Water	8011	290589
400-116253-4	MW11-ROX-011216	Total/NA	Water	8011	290589
400-116253-6	TB-ROX-011216-8011B	Total/NA	Water	8011	290589
LCS 400-290589/2-A	Lab Control Sample	Total/NA	Water	8011	290589
LCSD 400-290589/3-A	Lab Control Sample Dup	Total/NA	Water	8011	290589
MB 400-290589/1-A	Method Blank	Total/NA	Water	8011	290589

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

Lab Sample ID: MB 400-290745/5
Matrix: Water
Analysis Batch: 290745

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/16 08:32	1
Acrolein	ND		20	10	ug/L			01/18/16 08:32	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/16 08:32	1
Benzene	ND		1.0	0.38	ug/L			01/18/16 08:32	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/16 08:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/16 08:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Bromoform	ND		5.0	0.71	ug/L			01/18/16 08:32	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/16 08:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/16 08:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/16 08:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/16 08:32	1
Chloroform	ND		1.0	0.60	ug/L			01/18/16 08:32	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/16 08:32	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/16 08:32	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 08:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/16 08:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/18/16 08:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/16 08:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/16 08:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/16 08:32	1
2-Hexanone	ND		25	3.1	ug/L			01/18/16 08:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/16 08:32	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/16 08:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/16 08:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/16 08:32	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/16 08:32	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/16 08:32	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/16 08:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/16 08:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/16 08:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/16 08:32	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/16 08:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/16 08:32	1

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

Lab Sample ID: MB 400-290745/5
Matrix: Water
Analysis Batch: 290745

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/16 08:32	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/16 08:32	1
Styrene	ND		1.0	1.0	ug/L			01/18/16 08:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/16 08:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/16 08:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/16 08:32	1
Toluene	ND		1.0	0.70	ug/L			01/18/16 08:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/16 08:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/16 08:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/16 08:32	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/16 08:32	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/16 08:32	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/16 08:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/16 08:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/16 08:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/16 08:32	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/16 08:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/16 08:32	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/18/16 08:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*01/18/16 08:32*	*1*
Dibromofluoromethane	*111*		*81 - 121*		*01/18/16 08:32*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/18/16 08:32*	*1*

Lab Sample ID: LCS 400-290745/1003
Matrix: Water
Analysis Batch: 290745

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	180		ug/L		90	43 - 160
Acrolein	400	353		ug/L		88	38 - 160
Acrylonitrile	500	407		ug/L		81	64 - 142
Benzene	50.0	43.9		ug/L		88	70 - 130
Bromobenzene	50.0	43.1		ug/L		86	70 - 132
Bromochloromethane	50.0	43.9		ug/L		88	70 - 130
Bromodichloromethane	50.0	47.6		ug/L		95	67 - 133
Bromoform	50.0	44.2		ug/L		88	57 - 140
Bromomethane	40.0	32.7		ug/L		82	10 - 160
2-Butanone (MEK)	200	174		ug/L		87	61 - 145
Carbon disulfide	50.0	45.3		ug/L		91	61 - 137
Carbon tetrachloride	50.0	49.2		ug/L		98	61 - 137
Chlorobenzene	50.0	42.9		ug/L		86	70 - 130
Dibromochloromethane	50.0	47.3		ug/L		95	67 - 135
Chloroethane	40.0	36.7		ug/L		92	55 - 141

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

Lab Sample ID: LCS 400-290745/1003
Matrix: Water
Analysis Batch: 290745

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	40.0	33.0		ug/L		82	10 - 160
Chloroform	50.0	43.4		ug/L		87	69 - 130
1-Chlorohexane	50.0	43.0		ug/L		86	69 - 130
Chloromethane	40.0	34.7		ug/L		87	58 - 137
cis-1,2-Dichloroethene	50.0	44.4		ug/L		89	68 - 130
cis-1,3-Dichloropropene	50.0	46.7		ug/L		93	69 - 132
1,2-Dichlorobenzene	50.0	41.7		ug/L		83	67 - 130
1,3-Dichlorobenzene	50.0	42.2		ug/L		84	70 - 130
1,4-Dichlorobenzene	50.0	41.6		ug/L		83	70 - 130
Dichlorodifluoromethane	40.0	37.2		ug/L		93	41 - 146
1,1-Dichloroethane	50.0	44.7		ug/L		89	70 - 130
1,2-Dichloroethane	50.0	44.6		ug/L		89	69 - 130
1,1-Dichloroethene	50.0	46.1		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	43.2		ug/L		86	70 - 130
1,3-Dichloropropane	50.0	42.8		ug/L		86	70 - 130
2,2-Dichloropropane	50.0	46.1		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	43.8		ug/L		88	70 - 130
Ethylbenzene	50.0	41.6		ug/L		83	70 - 130
Ethyl methacrylate	50.0	44.8		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	41.3		ug/L		83	53 - 140
2-Hexanone	200	163		ug/L		81	65 - 137
Isopropylbenzene	50.0	42.7		ug/L		85	70 - 130
Methylene bromide	50.0	45.0		ug/L		90	70 - 130
Methylene Chloride	50.0	42.0		ug/L		84	66 - 135
4-Methyl-2-pentanone (MIBK)	200	163		ug/L		81	69 - 138
Methyl tert-butyl ether	50.0	43.7		ug/L		87	66 - 130
m-Xylene & p-Xylene	50.0	42.2		ug/L		84	70 - 130
Naphthalene	50.0	38.9		ug/L		78	47 - 149
n-Butylbenzene	50.0	38.6		ug/L		77	67 - 130
N-Propylbenzene	50.0	39.2		ug/L		78	70 - 130
o-Chlorotoluene	50.0	39.7		ug/L		79	70 - 130
o-Xylene	50.0	42.6		ug/L		85	70 - 130
p-Chlorotoluene	50.0	41.5		ug/L		83	70 - 130
p-Isopropyltoluene	50.0	39.2		ug/L		78	65 - 130
sec-Butylbenzene	50.0	39.6		ug/L		79	66 - 130
Styrene	50.0	42.2		ug/L		84	70 - 130
tert-Butylbenzene	50.0	50.0		ug/L		100	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.4		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.3		ug/L		87	70 - 131
Tetrachloroethene	50.0	35.3		ug/L		71	65 - 130
Toluene	50.0	41.8		ug/L		84	70 - 130
trans-1,2-Dichloroethene	50.0	43.9		ug/L		88	70 - 130
trans-1,3-Dichloropropene	50.0	43.2		ug/L		86	63 - 130
1,2,3-Trichlorobenzene	50.0	41.4		ug/L		83	60 - 138
1,2,4-Trichlorobenzene	50.0	42.7		ug/L		85	60 - 140
1,1,1-Trichloroethane	50.0	46.2		ug/L		92	68 - 130
1,1,2-Trichloroethane	50.0	43.3		ug/L		87	70 - 130
Trichloroethene	50.0	44.6		ug/L		89	70 - 130

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

Lab Sample ID: LCS 400-290745/1003
Matrix: Water
Analysis Batch: 290745

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	40.0	36.6		ug/L		92	65 - 138
1,2,3-Trichloropropane	50.0	40.9		ug/L		82	70 - 130
1,2,4-Trimethylbenzene	50.0	41.1		ug/L		82	70 - 130
1,3,5-Trimethylbenzene	50.0	42.1		ug/L		84	69 - 130
Vinyl acetate	80.0	89.1		ug/L		111	26 - 160
Vinyl chloride	40.0	37.7		ug/L		94	59 - 136
Xylenes, Total	100	84.8		ug/L		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-116253-1 MS
Matrix: Water
Analysis Batch: 290745

Client Sample ID: MW16-ROX-011216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	16	J	200	208		ug/L		96	43 - 160
Acrolein	ND		400	309		ug/L		77	38 - 160
Acrylonitrile	ND		500	444		ug/L		89	62 - 149
Benzene	0.92	J	50.0	45.9		ug/L		90	56 - 142
Bromobenzene	ND		50.0	43.2		ug/L		86	59 - 136
Bromochloromethane	ND		50.0	46.4		ug/L		93	64 - 140
Bromodichloromethane	ND		50.0	48.4		ug/L		97	59 - 143
Bromoform	ND		50.0	43.1		ug/L		86	50 - 140
Bromomethane	ND		40.0	30.0		ug/L		75	10 - 160
2-Butanone (MEK)	ND		200	181		ug/L		90	55 - 150
Carbon disulfide	1.5		50.0	44.7		ug/L		86	48 - 152
Carbon tetrachloride	ND		50.0	49.1		ug/L		98	55 - 145
Chlorobenzene	ND		50.0	43.5		ug/L		87	64 - 130
Dibromochloromethane	ND		50.0	47.7		ug/L		95	56 - 143
Chloroethane	ND		40.0	35.3		ug/L		88	50 - 151
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	45.2		ug/L		90	60 - 141
1-Chlorohexane	ND		50.0	42.9		ug/L		86	56 - 136
Chloromethane	ND		40.0	29.3		ug/L		73	49 - 148
cis-1,2-Dichloroethene	ND		50.0	45.7		ug/L		91	59 - 143
cis-1,3-Dichloropropene	ND		50.0	47.9		ug/L		96	57 - 140
1,2-Dichlorobenzene	ND		50.0	41.0		ug/L		82	52 - 137
1,3-Dichlorobenzene	ND		50.0	40.9		ug/L		82	54 - 135
1,4-Dichlorobenzene	ND		50.0	40.7		ug/L		81	53 - 135
Dichlorodifluoromethane	ND		40.0	24.9		ug/L		62	16 - 160
1,1-Dichloroethane	ND		50.0	46.2		ug/L		92	61 - 144
1,2-Dichloroethane	ND		50.0	47.7		ug/L		95	60 - 141
1,1-Dichloroethene	ND		50.0	47.5		ug/L		95	54 - 147
1,2-Dichloropropane	ND		50.0	45.4		ug/L		91	66 - 137
1,3-Dichloropropane	ND		50.0	44.7		ug/L		89	66 - 133

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

Lab Sample ID: 400-116253-1 MS
Matrix: Water
Analysis Batch: 290745

Client Sample ID: MW16-ROX-011216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		50.0	41.2		ug/L		82	42 - 144
1,1-Dichloropropene	ND		50.0	45.4		ug/L		91	65 - 136
Ethylbenzene	ND		50.0	42.3		ug/L		85	58 - 131
Ethyl methacrylate	ND		50.0	46.1		ug/L		92	64 - 130
Hexachlorobutadiene	ND		50.0	37.2		ug/L		74	31 - 149
2-Hexanone	ND		200	171		ug/L		86	65 - 140
Isopropylbenzene	ND		50.0	42.6		ug/L		85	56 - 133
Methylene bromide	ND		50.0	47.2		ug/L		94	63 - 138
Methylene Chloride	ND		50.0	43.0		ug/L		86	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	174		ug/L		87	63 - 146
Methyl tert-butyl ether	ND		50.0	44.5		ug/L		89	59 - 137
m-Xylene & p-Xylene	ND		50.0	42.3		ug/L		85	57 - 130
Naphthalene	ND		50.0	39.3		ug/L		79	25 - 160
n-Butylbenzene	ND		50.0	37.1		ug/L		74	41 - 142
N-Propylbenzene	ND		50.0	38.7		ug/L		77	51 - 138
o-Chlorotoluene	ND		50.0	38.4		ug/L		77	53 - 134
o-Xylene	ND		50.0	42.9		ug/L		86	61 - 130
p-Chlorotoluene	ND		50.0	40.5		ug/L		81	54 - 133
p-Isopropyltoluene	ND		50.0	38.0		ug/L		76	48 - 139
sec-Butylbenzene	ND		50.0	39.2		ug/L		78	50 - 138
Styrene	ND		50.0	42.1		ug/L		84	58 - 131
tert-Butylbenzene	ND		50.0	49.0		ug/L		98	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	46.9		ug/L		94	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	45.0		ug/L		90	66 - 135
Tetrachloroethene	ND		50.0	34.7		ug/L		69	52 - 133
Toluene	ND		50.0	42.9		ug/L		86	65 - 130
trans-1,2-Dichloroethene	ND		50.0	45.0		ug/L		90	61 - 143
trans-1,3-Dichloropropene	ND		50.0	41.9		ug/L		84	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	39.7		ug/L		79	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	39.6		ug/L		79	39 - 148
1,1,1-Trichloroethane	ND		50.0	46.8		ug/L		94	57 - 142
1,1,2-Trichloroethane	ND		50.0	45.3		ug/L		91	66 - 131
Trichloroethene	ND		50.0	45.7		ug/L		91	64 - 136
Trichlorofluoromethane	ND		40.0	36.1		ug/L		90	54 - 156
1,2,3-Trichloropropane	ND		50.0	43.5		ug/L		87	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	40.9		ug/L		82	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	41.1		ug/L		82	52 - 135
Vinyl acetate	ND		80.0	88.7		ug/L		111	26 - 160
Vinyl chloride	ND		40.0	33.9		ug/L		85	46 - 152
Xylenes, Total	ND		100	85.2		ug/L		85	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: 400-116253-1 MSD
Matrix: Water
Analysis Batch: 290745

Client Sample ID: MW16-ROX-011216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	16	J	200	206		ug/L		95	43 - 160	1	30
Acrolein	ND		400	348		ug/L		87	38 - 160	12	31
Acrylonitrile	ND		500	479		ug/L		96	62 - 149	8	30
Benzene	0.92	J	50.0	49.6		ug/L		97	56 - 142	8	30
Bromobenzene	ND		50.0	45.2		ug/L		90	59 - 136	4	30
Bromochloromethane	ND		50.0	49.1		ug/L		98	64 - 140	6	30
Bromodichloromethane	ND		50.0	52.1		ug/L		104	59 - 143	7	30
Bromoform	ND		50.0	46.7		ug/L		93	50 - 140	8	30
Bromomethane	ND		40.0	34.4		ug/L		86	10 - 160	14	50
2-Butanone (MEK)	ND		200	195		ug/L		98	55 - 150	8	30
Carbon disulfide	1.5		50.0	47.7		ug/L		93	48 - 152	7	30
Carbon tetrachloride	ND		50.0	54.1		ug/L		108	55 - 145	10	30
Chlorobenzene	ND		50.0	46.1		ug/L		92	64 - 130	6	30
Dibromochloromethane	ND		50.0	52.0		ug/L		104	56 - 143	9	30
Chloroethane	ND		40.0	39.5		ug/L		99	50 - 151	11	30
2-Chloroethyl vinyl ether	ND	F1	40.0	ND	F1	ug/L		0	10 - 160	NC	60
Chloroform	ND		50.0	48.4		ug/L		97	60 - 141	7	30
1-Chlorohexane	ND		50.0	46.4		ug/L		93	56 - 136	8	30
Chloromethane	ND		40.0	33.3		ug/L		83	49 - 148	13	31
cis-1,2-Dichloroethene	ND		50.0	49.7		ug/L		99	59 - 143	8	30
cis-1,3-Dichloropropene	ND		50.0	52.4		ug/L		105	57 - 140	9	30
1,2-Dichlorobenzene	ND		50.0	43.4		ug/L		87	52 - 137	6	30
1,3-Dichlorobenzene	ND		50.0	43.1		ug/L		86	54 - 135	5	30
1,4-Dichlorobenzene	ND		50.0	42.8		ug/L		86	53 - 135	5	30
Dichlorodifluoromethane	ND		40.0	28.4		ug/L		71	16 - 160	13	31
1,1-Dichloroethane	ND		50.0	50.0		ug/L		100	61 - 144	8	30
1,2-Dichloroethane	ND		50.0	50.8		ug/L		102	60 - 141	6	30
1,1-Dichloroethene	ND		50.0	49.5		ug/L		99	54 - 147	4	30
1,2-Dichloropropane	ND		50.0	48.6		ug/L		97	66 - 137	7	30
1,3-Dichloropropane	ND		50.0	47.4		ug/L		95	66 - 133	6	30
2,2-Dichloropropane	ND		50.0	48.3		ug/L		97	42 - 144	16	31
1,1-Dichloropropene	ND		50.0	49.3		ug/L		99	65 - 136	8	30
Ethylbenzene	ND		50.0	45.1		ug/L		90	58 - 131	6	30
Ethyl methacrylate	ND		50.0	50.1		ug/L		100	64 - 130	8	30
Hexachlorobutadiene	ND		50.0	40.5		ug/L		81	31 - 149	9	36
2-Hexanone	ND		200	182		ug/L		91	65 - 140	6	30
Isopropylbenzene	ND		50.0	45.7		ug/L		91	56 - 133	7	30
Methylene bromide	ND		50.0	50.7		ug/L		101	63 - 138	7	30
Methylene Chloride	ND		50.0	46.2		ug/L		92	60 - 146	7	32
4-Methyl-2-pentanone (MIBK)	ND		200	191		ug/L		95	63 - 146	9	30
Methyl tert-butyl ether	ND		50.0	48.7		ug/L		97	59 - 137	9	30
m-Xylene & p-Xylene	ND		50.0	44.8		ug/L		90	57 - 130	6	30
Naphthalene	ND		50.0	42.1		ug/L		84	25 - 160	7	30
n-Butylbenzene	ND		50.0	39.4		ug/L		79	41 - 142	6	31
N-Propylbenzene	ND		50.0	41.4		ug/L		83	51 - 138	7	30
o-Chlorotoluene	ND		50.0	41.6		ug/L		83	53 - 134	8	30
o-Xylene	ND		50.0	45.8		ug/L		92	61 - 130	7	30
p-Chlorotoluene	ND		50.0	42.9		ug/L		86	54 - 133	6	30

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

Lab Sample ID: 400-116253-1 MSD
Matrix: Water
Analysis Batch: 290745

Client Sample ID: MW16-ROX-011216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	40.3		ug/L		81	48 - 139	6	30
sec-Butylbenzene	ND		50.0	42.0		ug/L		84	50 - 138	7	30
Styrene	ND		50.0	45.2		ug/L		90	58 - 131	7	30
tert-Butylbenzene	ND		50.0	52.4		ug/L		105	54 - 146	7	30
1,1,1,2-Tetrachloroethane	ND		50.0	50.1		ug/L		100	59 - 137	7	30
1,1,2,2-Tetrachloroethane	ND		50.0	47.9		ug/L		96	66 - 135	6	30
Tetrachloroethene	ND		50.0	36.8		ug/L		74	52 - 133	6	30
Toluene	ND		50.0	46.2		ug/L		92	65 - 130	7	30
trans-1,2-Dichloroethene	ND		50.0	48.5		ug/L		97	61 - 143	7	30
trans-1,3-Dichloropropene	ND		50.0	46.1		ug/L		92	53 - 133	10	30
1,2,3-Trichlorobenzene	ND		50.0	42.5		ug/L		85	43 - 145	7	30
1,2,4-Trichlorobenzene	ND		50.0	41.9		ug/L		84	39 - 148	6	30
1,1,1-Trichloroethane	ND		50.0	51.2		ug/L		102	57 - 142	9	30
1,1,2-Trichloroethane	ND		50.0	47.4		ug/L		95	66 - 131	5	30
Trichloroethene	ND		50.0	49.4		ug/L		99	64 - 136	8	30
Trichlorofluoromethane	ND		40.0	39.2		ug/L		98	54 - 156	8	30
1,2,3-Trichloropropane	ND		50.0	46.6		ug/L		93	65 - 133	7	30
1,2,4-Trimethylbenzene	ND		50.0	43.3		ug/L		87	50 - 139	6	30
1,3,5-Trimethylbenzene	ND		50.0	44.0		ug/L		88	52 - 135	7	30
Vinyl acetate	ND		80.0	107		ug/L		134	26 - 160	19	33
Vinyl chloride	ND		40.0	38.3		ug/L		96	46 - 152	12	30
Xylenes, Total	ND		100	90.6		ug/L		91	59 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 18:02	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 18:02	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:02	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 18:02	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:02	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 18:02	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 18:02	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*34 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
2-Fluorophenol	*61*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Nitrobenzene-d5	*85*		*27 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Phenol-d5	*64*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Terphenyl-d14	*86*		*53 - 125*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
2,4,6-Tribromophenol	*53*		*15 - 135*	*01/15/16 09:58*	*01/18/16 18:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	23.4		ug/L		78	10 - 145
Benzoic acid	127	51.5		ug/L		40	10 - 120
Benzyl alcohol	30.0	28.5		ug/L		95	51 - 121
Bis(2-chloroethoxy)methane	30.0	26.0		ug/L		87	54 - 123
Bis(2-chloroethyl)ether	30.0	26.5		ug/L		88	47 - 120
bis (2-chloroisopropyl) ether	30.0	29.3		ug/L		98	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	31.7		ug/L		106	62 - 140
4-Bromophenyl phenyl ether	30.0	25.8		ug/L		86	62 - 132
Butyl benzyl phthalate	30.0	29.6		ug/L		99	51 - 150
4-Chloroaniline	30.0	20.5		ug/L		68	32 - 128
4-Chloro-3-methylphenol	30.0	27.3		ug/L		91	47 - 135
2-Chloronaphthalene	30.0	26.7		ug/L		89	24 - 150
2-Chlorophenol	30.0	24.9		ug/L		83	45 - 120
4-Chlorophenyl phenyl ether	30.0	26.8		ug/L		89	61 - 133
Dibenz[a,h]acridine	30.0	25.8		ug/L		86	60 - 131
Dibenzofuran	30.0	26.8		ug/L		89	62 - 124
3,3'-Dichlorobenzidine	40.0	37.7		ug/L		94	16 - 167
2,4-Dichlorophenol	30.0	25.3		ug/L		84	52 - 125
Diethyl phthalate	30.0	29.1		ug/L		97	55 - 140
2,4-Dimethylphenol	30.0	25.2		ug/L		84	52 - 121
Dimethyl phthalate	30.0	27.1		ug/L		90	50 - 133
Di-n-butyl phthalate	30.0	31.4		ug/L		105	59 - 144
4,6-Dinitro-ortho-cresol	60.0	55.7		ug/L		93	46 - 136
2,4-Dinitrophenol	110	91.8		ug/L		83	22 - 146
2,4-Dinitrotoluene	30.0	29.0		ug/L		97	54 - 141
2,6-Dinitrotoluene	30.0	28.1		ug/L		94	61 - 130
Di-n-octyl phthalate	30.0	31.9		ug/L		106	55 - 140
1,4-Dioxane	30.0	20.7		ug/L		69	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	28.7		ug/L		96	55 - 139
Hexachlorobenzene	30.0	25.1		ug/L		84	60 - 138
Hexachlorocyclopentadiene	30.0	22.5		ug/L		75	1 - 139
Hexachloroethane	30.0	23.0		ug/L		77	46 - 121
Indene	30.0	25.3		ug/L		84	17 - 141
Isophorone	30.0	26.4		ug/L		88	57 - 122
2-Methylphenol	30.0	27.0		ug/L		90	38 - 121
3 & 4 Methylphenol	30.0	26.7		ug/L		89	43 - 126
2-Nitroaniline	30.0	30.8		ug/L		103	52 - 135
3-Nitroaniline	30.0	24.8		ug/L		83	51 - 128
4-Nitroaniline	30.0	28.4		ug/L		95	38 - 141
Nitrobenzene	30.0	25.3		ug/L		84	52 - 128
2-Nitrophenol	30.0	24.8		ug/L		83	47 - 129
4-Nitrophenol	60.0	49.9		ug/L		83	34 - 137
N-Nitrosodimethylamine	30.0	27.1		ug/L		90	21 - 134
N-Nitrosodi-n-propylamine	30.0	28.3		ug/L		94	41 - 143
N-Nitrosodiphenylamine	64.9	26.9		ug/L		41	10 - 185
Pentachlorophenol	60.0	46.7		ug/L		78	38 - 138
Phenol	30.0	24.1		ug/L		80	37 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	30.0	21.2		ug/L		71	10 - 127
Quinoline	30.0	25.3		ug/L		84	10 - 164
2,4,5-Trichlorophenol	30.0	26.6		ug/L		89	53 - 130
2,4,6-Trichlorophenol	30.0	26.2		ug/L		87	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*34 - 120*
2-Fluorophenol	*75*		*10 - 120*
Nitrobenzene-d5	*84*		*27 - 120*
Phenol-d5	*82*		*10 - 120*
Terphenyl-d14	*88*		*53 - 125*
2,4,6-Tribromophenol	*84*		*15 - 135*

Lab Sample ID: LCS 400-290632/3-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	27.1		ug/L		90	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*34 - 120*
2-Fluorophenol	*68*		*10 - 120*
Nitrobenzene-d5	*92*		*27 - 120*
Phenol-d5	*65*		*10 - 120*
Terphenyl-d14	*96*		*53 - 125*
2,4,6-Tribromophenol	*73*		*15 - 135*

Lab Sample ID: LCSD 400-290632/4-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	29.3		ug/L		98	20 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*66*		*10 - 120*
Nitrobenzene-d5	*89*		*27 - 120*
Phenol-d5	*72*		*10 - 120*
Terphenyl-d14	*93*		*53 - 125*
2,4,6-Tribromophenol	*70*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 16:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*98*		*33 - 138*	*01/15/16 09:58*	*01/20/16 16:29*	*1*
2-Fluorobiphenyl	*81*		*15 - 122*	*01/15/16 09:58*	*01/20/16 16:29*	*1*
Nitrobenzene-d5	*80*		*19 - 130*	*01/15/16 09:58*	*01/20/16 16:29*	*1*

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	24.8		ug/L		83	41 - 120
Acenaphthylene	30.0	24.8		ug/L		83	44 - 120
Anthracene	30.0	24.9		ug/L		83	49 - 120
Benzo[a]anthracene	30.0	25.2		ug/L		84	61 - 135
Benzo[a]pyrene	30.0	24.7		ug/L		82	52 - 120
Benzo[b]fluoranthene	30.0	28.1		ug/L		94	53 - 134
Benzo[g,h,i]perylene	30.0	18.9		ug/L		63	47 - 133
Benzo[k]fluoranthene	30.0	26.6		ug/L		89	57 - 134
Chrysene	30.0	25.5		ug/L		85	55 - 122
Dibenz(a,h)anthracene	30.0	23.2		ug/L		77	48 - 146
Fluoranthene	30.0	25.7		ug/L		86	54 - 128
Fluorene	30.0	27.3		ug/L		91	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	22.3		ug/L		74	43 - 142
Phenanthrene	30.0	24.9		ug/L		83	48 - 120
Pyrene	30.0	24.7		ug/L		82	48 - 132
1-Methylnaphthalene	30.0	25.2		ug/L		84	41 - 120
2-Methylnaphthalene	30.0	26.0		ug/L		87	32 - 124

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	*84*		*33 - 138*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*81*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290589/1-A
Matrix: Water
Analysis Batch: 290634

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/16 08:15	01/15/16 10:53	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/16 08:15	01/15/16 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*89*		*51 - 149*	*01/15/16 08:15*	*01/15/16 10:53*	*1*

Lab Sample ID: LCS 400-290589/2-A
Matrix: Water
Analysis Batch: 290634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.102		ug/L		102	60 - 140
1,2-Dibromoethane	0.100	0.0876		ug/L		88	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*86*		*51 - 149*

Lab Sample ID: LCSD 400-290589/3-A
Matrix: Water
Analysis Batch: 290634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290589

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.0987		ug/L		99	60 - 140	3	30
1,2-Dibromoethane	0.100	0.0880		ug/L		88	60 - 140	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*101*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST (
☐ CALSCIENCE (
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (
Lab Vendor # 1334599 (TestAmerica)

Please Check Appropriate Box:
☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER ENV. SERVICES

Print Bill To Contact Name: Bob Billman
PO #: 60477387 - 1.03.001/1.030011
PlaNet Site or Project ID: 25278
GSAP Project ID: USPCI0114/R02
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 12 JAN. 2016
PAGE: 1 of 1

SAMPLING COMPANY: AECOM
LOG CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location): PHONE NO.: EMAIL: AECOM Order ID:
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
SAMPLER'S NAME(S) (Print): B. KOCA / P. HAXEL
LAB USE ONLY:
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ L4 - RWQCB REPORT FORMAT ☐ UST AGENCY:
DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD
TEMPERATURE ON RECEIPT C°: Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE EDD DISK

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0011

NON-UNIT COST 60477387 - 1.03.001

400-116253 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	PRESERVATIVE H2SO4	PRESERVATIVE NONE	PRESERVATIVE OTHER	NO. OF CONT.	VOC 8011	PAH 8270LL	VOC 8260	SVOC 8270
	MW16-ROX-011216	1/12/2016	1035	WATER	4		3		7	X	X	X	X
	P54-ROX-011216-EB		1055		4		3		7	X	X	X	X
	P54-ROX-011216		1315		4		3		7	X	X	X	X
	MW11-ROX-011216		1420		4		3		7	X	X	X	X
	TB-ROX-011216-8260B		0000		2				2			X	
	TB-ROX-011216-8011B		0000		2				2	X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fed Ex 8092 2040 7995	12 JAN. 2016	1730
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		1/13/16	0933
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

1.6°C, 1.6°C, 1.5°C, 2.3°C IRS

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1/22/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116253-1
SDG Number: Proj. 60477387-1.03.001/1.03.0011

Login Number: 116253
List Number: 1
Creator: Perez, Trina M

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	1.6°C, 1.5°C, 2.3°C, 1.6°C IR-5
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116253-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116254-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/1/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
T12-ROX-011216	T12-ROX-011216-UN
P59-ROX-011216-EB	P59-ROX-011216
P57-ROX-011216	P93A-ROX-011216
P93A-ROX-011216-Dup	TB-ROX-011216-8011-A
TB-ROX-011216-8260-A	TB-ROX-011216-UN-A

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, although not indicated in the laboratory case narrative, PAHs were detected in the equipment blank. The laboratory case narrative indicated the surrogate recovery for terphenyl-d_{14} was outside criteria in samples P59-ROX-011216 and P93A-ROX-011216. 1-Methylnaphthalene and 2-methylnaphthalene were qualified due to field duplicate RPD outside evaluation criteria in the field duplicate pair P93A-ROX-011216/P93A-ROX-011216-Dup. Method 8260 VOCs in samples were diluted due to high levels of target analytes, and PAHs and phenol also required minimal dilution to bring the concentration within instrument calibration range in several samples. These issues are addressed further in the appropriate sections below.

Additionally, the continuing calibration verification for hexachlorocyclopentadiene, benzenethiol exceeded evaluation criteria above the upper control limit. Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative, with the exception of samples T12-ROX-011216-UN and TB-ROX-011216-UN-A which were not HCl preserved. Also, the laboratory case narrative indicated HCL-preserved results and non-HCL-preserved results for sample T12-ROX-011216 were not comparable; however, results were confirmed via reanalysis.

The cooler receipt form indicated that three of four coolers were received by the laboratory at temperatures of 1.5°C, 1.6°C, and 1.6°C, which are outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration/ Amount
P59-ROX-011216-EB	PAHs	1-Methylnaphthalene	0.026 µg/L
P59-ROX-011216-EB	PAHs	2-Methylnaphthalene	0.045 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P59-ROX-011216	SVOCs	Terphenyl-d_{14}	**36**	53-125
P93A-ROX-011216	SVOCs	Terphenyl-d_{14}	**50**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six surrogate recoveries being outside evaluation criteria each sample parameter. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, although not requested, sample T12-ROX-011216-UN was spiked and analyzed for Method 8260 VOCs.

Were MS/MSD recoveries within evaluation criteria?

Yes

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
P93A-ROX-011216	P93A-ROX-011216-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
P93A-ROX-011216	P93A-ROX-011216-Dup	PAHs	1-Methylnaphthalene	**31**	**J/J**
P93A-ROX-011216	P93A-ROX-011216-Dup	PAHs	2-Methylnaphthalene	**53**	**J/J**

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples requiring dilution.

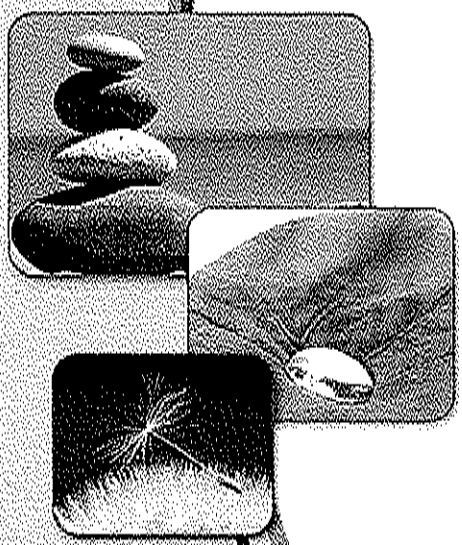
12.0 Additional Qualifications

Were additional qualifications applied?

No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116254-1
TestAmerica SDG: Proj. 60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn N. Hooper

Authorized for release by:
1/22/2016 5:28:10 PM

Carolyn Hooper, Project Manager I
(850)474-1001
carolyn.hooper@testamericainc.com

Reviewed 2/1/16

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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Job ID: 400-116254-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116254-1

Receipt
The samples were received on 1/13/2016 9:33 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.5°C, 1.6°C, 1.6°C and 2.3°C.

GC/MS VOA
Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: P59-ROX-011216-EB (400-116254-3), P59-ROX-011216 (400-116254-4), P57-ROX-011216 (400-116254-5), P-93A-ROX-011216 (400-116254-6), P-93A-ROX-011216-DUP (400-116254-7) and TB-ROX-011216-8260-A (400-116254-9). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 291095 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for batch 291095 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: T12-ROX-011216 (400-116254-1). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Some of the analytes for samples T12-ROX-011216 (400-116254-1) and T12-ROX-011216-UN (400-116254-2) do not resemble each other. Reanalysis was performed with concurring results.

GC/MS Semi VOA
Method 8270D: Surrogate recovery for the following samples was outside control limits: P59-ROX-011216 (400-116254-4) and P-93A-ROX-011216 (400-116254-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-290700 recovered above the upper control limit for Hexachlorocyclopentadiene and Benzenethiol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: T12-ROX-011216 (400-116254-1), P59-ROX-011216-EB (400-116254-3), P59-ROX-011216 (400-116254-4), P57-ROX-011216 (400-116254-5), P-93A-ROX-011216 (400-116254-6), P-93A-ROX-011216-DUP (400-116254-7) and (MB 400-290632/1-A).

The following samples was diluted due to abundance of target analytes: P57-ROX-011216 (400-116254-5), P-93A-ROX-011216 (400-116254-6) and P-93A-ROX-011216-DUP (400-116254-7). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D LL: Physical properties (viscosity, color, odor) of the following sample(s) extract preclude concentrated analysis which would jeopardize instrumentation. Minimal dilution with elevated RLs is reported. T12-ROX-011216 (400-116254-1), P59-ROX-011216 (400-116254-4) and P57-ROX-011216 (400-116254-5)

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116254-1	T12-ROX-011216	Water	01/12/16 10:10	01/13/16 09:33
400-116254-2	T12-ROX-011216-UN	Water	01/12/16 10:10	01/13/16 09:33
400-116254-3	P59-ROX-011216-EB	Water	01/12/16 10:55	01/13/16 09:33
400-116254-4	P59-ROX-011216	Water	01/12/16 11:40	01/13/16 09:33
400-116254-5	P57-ROX-011216	Water	01/12/16 14:00	01/13/16 09:33
400-116254-6	P-93A-ROX-011216	Water	01/12/16 15:00	01/13/16 09:33
400-116254-7	P-93A-ROX-011216-DUP	Water	01/12/16 15:00	01/13/16 09:33
400-116254-8	TB-ROX-011216-8011-A	Water	01/12/16 00:00	01/13/16 09:33
400-116254-9	TB-ROX-011216-8260-A	Water	01/12/16 00:00	01/13/16 09:33
400-116254-10	TB-ROX-011216-UN-A	Water	01/12/16 00:00	01/13/16 09:33

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: T12-ROX-011216 — Lab Sample ID: 400-116254-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1500		10	3.8	ug/L	10		8260B	Total/NA
Ethylbenzene	98		10	5.0	ug/L	10		8260B	Total/NA
Isopropylbenzene	15		10	5.3	ug/L	10		8260B	Total/NA
Methyl tert-butyl ether	37		10	7.4	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	450		50	16	ug/L	10		8260B	Total/NA
Naphthalene	100		10	10	ug/L	10		8260B	Total/NA
N-Propylbenzene	19		10	6.9	ug/L	10		8260B	Total/NA
o-Xylene	7.4	J	50	6.0	ug/L	10		8260B	Total/NA
Toluene	84		10	7.0	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	130		10	8.2	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	14		10	5.6	ug/L	10		8260B	Total/NA
Xylenes, Total	460		50	6.0	ug/L	10		8260B	Total/NA
Acenaphthene	0.42		0.40	0.040	ug/L	2		8270D LL	Total/NA
Anthracene	0.15	J	0.40	0.040	ug/L	2		8270D LL	Total/NA
Fluorene	0.33	J	0.40	0.042	ug/L	2		8270D LL	Total/NA
Phenanthrene	0.88		0.40	0.040	ug/L	2		8270D LL	Total/NA
1-Methylnaphthalene	21		0.40	0.040	ug/L	2		8270D LL	Total/NA
2-Methylnaphthalene	31		0.40	0.040	ug/L	2		8270D LL	Total/NA
Phenol	64		10	2.6	ug/L	1		8270D	Total/NA

Client Sample ID: T12-ROX-011216-UN — Lab Sample ID: 400-116254-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1200		10	3.8	ug/L	10		8260B	Total/NA
Methyl tert-butyl ether	46		10	7.4	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	440		50	16	ug/L	10		8260B	Total/NA
Naphthalene	62		10	10	ug/L	10		8260B	Total/NA
o-Xylene	7.4	J	50	6.0	ug/L	10		8260B	Total/NA
Toluene	46		10	7.0	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	110		10	8.2	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	13		10	5.6	ug/L	10		8260B	Total/NA
Xylenes, Total	450		50	6.0	ug/L	10		8260B	Total/NA

Client Sample ID: P59-ROX-011216-EB — Lab Sample ID: 400-116254-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.026	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.045	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: P59-ROX-011216 — Lab Sample ID: 400-116254-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5400		25	9.5	ug/L	25		8260B	Total/NA
Ethylbenzene	1100		25	13	ug/L	25		8260B	Total/NA
Isopropylbenzene	22	J	25	13	ug/L	25		8260B	Total/NA
m-Xylene & p-Xylene	2300		130	40	ug/L	25		8260B	Total/NA
Naphthalene	110		25	25	ug/L	25		8260B	Total/NA
N-Propylbenzene	37		25	17	ug/L	25		8260B	Total/NA
o-Xylene	460		130	15	ug/L	25		8260B	Total/NA
Toluene	1600		25	18	ug/L	25		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P59-ROX-011216 (Continued)

Lab Sample ID: 400-116254-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	260		25	21	ug/L	25		8260B	Total/NA
1,3,5-Trimethylbenzene	80		25	14	ug/L	25		8260B	Total/NA
Xylenes, Total	2800		130	15	ug/L	25		8260B	Total/NA
Acenaphthene	0.36	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Acenaphthylene	0.19	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Anthracene	0.21	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Fluoranthene	0.17	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Fluorene	0.55	J	1.0	0.11	ug/L	5		8270D LL	Total/NA
Phenanthrene	0.89	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Pyrene	0.19	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
1-Methylnaphthalene	17		1.0	0.10	ug/L	5		8270D LL	Total/NA
2-Methylnaphthalene	26		1.0	0.10	ug/L	5		8270D LL	Total/NA
2,4-Dimethylphenol	9.5	J	10	3.5	ug/L	1		8270D	Total/NA
Di-n-octyl phthalate	0.49	J	10	0.44	ug/L	1		8270D	Total/NA
Indene	18		10	1.0	ug/L	1		8270D	Total/NA
2-Methylphenol	12		10	1.8	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	6.8	J	20	1.0	ug/L	1		8270D	Total/NA
Pyridine	4.7	J	10	3.2	ug/L	1		8270D	Total/NA

Client Sample ID: P57-ROX-011216

Lab Sample ID: 400-116254-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160000		1000	380	ug/L	1000		8260B	Total/NA
Ethylbenzene	550	J	1000	500	ug/L	1000		8260B	Total/NA
Xylenes, Total	830	J	5000	600	ug/L	1000		8260B	Total/NA
Acenaphthene	0.46	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Acenaphthylene	0.22	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
Fluorene	0.89	J	1.0	0.11	ug/L	5		8270D LL	Total/NA
Phenanthrene	0.71	J	1.0	0.10	ug/L	5		8270D LL	Total/NA
1-Methylnaphthalene	38		1.0	0.10	ug/L	5		8270D LL	Total/NA
2-Methylnaphthalene	57		1.0	0.10	ug/L	5		8270D LL	Total/NA
Dibenzofuran	1.0	J	10	0.52	ug/L	1		8270D	Total/NA
Indene	3.7	J	10	1.0	ug/L	1		8270D	Total/NA
Phenol	210		50	13	ug/L	5		8270D	Total/NA

Client Sample ID: P-93A-ROX-011216

Lab Sample ID: 400-116254-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	430000		2000	760	ug/L	2000		8260B	Total/NA
Phenanthrene	0.11	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	4.7	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	1.8	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
3 & 4 Methylphenol	2.0	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	240		50	13	ug/L	5		8270D	Total/NA

Client Sample ID: P-93A-ROX-011216-DUP

Lab Sample ID: 400-116254-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	450000		2000	760	ug/L	2000		8260B	Total/NA
Fluorene	0.18	J	0.20	0.021	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P-93A-ROX-011216-DUP (Continued) — Lab Sample ID: 400-116254-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.13	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	6.4	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	3.1	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Benzoic acid	10	J	30	7.3	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	3.0	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	190		50	13	ug/L	5		8270D	Total/NA

Client Sample ID: TB-ROX-011216-8011-A — Lab Sample ID: 400-116254-8

No Detections.

Client Sample ID: TB-ROX-011216-8260-A — Lab Sample ID: 400-116254-9

No Detections.

Client Sample ID: TB-ROX-011216-UN-A — Lab Sample ID: 400-116254-10

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: T12-ROX-011216
Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			01/20/16 16:44	10
Acrolein	ND		200	100	ug/L			01/20/16 16:44	10
Acrylonitrile	ND		100	28	ug/L			01/20/16 16:44	10
Benzene	**1500**		10	3.8	ug/L			01/20/16 16:44	10
Bromobenzene	ND		10	5.4	ug/L			01/20/16 16:44	10
Bromochloromethane	ND		10	5.2	ug/L			01/20/16 16:44	10
Bromodichloromethane	ND		10	5.0	ug/L			01/20/16 16:44	10
Bromoform	ND		50	7.1	ug/L			01/20/16 16:44	10
Bromomethane	ND		10	9.8	ug/L			01/20/16 16:44	10
2-Butanone (MEK)	ND		250	26	ug/L			01/20/16 16:44	10
Carbon disulfide	ND		10	5.0	ug/L			01/20/16 16:44	10
Carbon tetrachloride	ND		10	5.0	ug/L			01/20/16 16:44	10
Chlorobenzene	ND		10	5.0	ug/L			01/20/16 16:44	10
Dibromochloromethane	ND		10	5.0	ug/L			01/20/16 16:44	10
Chloroethane	ND		10	7.6	ug/L			01/20/16 16:44	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			01/20/16 16:44	10
Chloroform	ND		10	6.0	ug/L			01/20/16 16:44	10
1-Chlorohexane	ND		10	7.0	ug/L			01/20/16 16:44	10
Chloromethane	ND		10	8.3	ug/L			01/20/16 16:44	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			01/20/16 16:44	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			01/20/16 16:44	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			01/20/16 16:44	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			01/20/16 16:44	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			01/20/16 16:44	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			01/20/16 16:44	10
1,1-Dichloroethane	ND		10	5.0	ug/L			01/20/16 16:44	10
1,2-Dichloroethane	ND		10	5.0	ug/L			01/20/16 16:44	10
1,1-Dichloroethene	ND		10	5.0	ug/L			01/20/16 16:44	10
1,2-Dichloropropane	ND		10	5.0	ug/L			01/20/16 16:44	10
1,3-Dichloropropane	ND		10	5.0	ug/L			01/20/16 16:44	10
2,2-Dichloropropane	ND		10	5.0	ug/L			01/20/16 16:44	10
1,1-Dichloropropene	ND		10	5.0	ug/L			01/20/16 16:44	10
Ethylbenzene	**98**		10	5.0	ug/L			01/20/16 16:44	10
Ethyl methacrylate	ND		10	6.0	ug/L			01/20/16 16:44	10
Hexachlorobutadiene	ND		50	9.0	ug/L			01/20/16 16:44	10
2-Hexanone	ND		250	31	ug/L			01/20/16 16:44	10
Isopropylbenzene	**15**		10	5.3	ug/L			01/20/16 16:44	10
Methylene bromide	ND		50	5.9	ug/L			01/20/16 16:44	10
Methylene Chloride	ND		50	30	ug/L			01/20/16 16:44	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			01/20/16 16:44	10
Methyl tert-butyl ether	**37**		10	7.4	ug/L			01/20/16 16:44	10
m-Xylene & p-Xylene	**450**		50	16	ug/L			01/20/16 16:44	10
Naphthalene	**100**		10	10	ug/L			01/20/16 16:44	10
n-Butylbenzene	ND		10	7.6	ug/L			01/20/16 16:44	10
N-Propylbenzene	**19**		10	6.9	ug/L			01/20/16 16:44	10
o-Chlorotoluene	ND		10	5.7	ug/L			01/20/16 16:44	10
o-Xylene	**7.4**	J	50	8.0	ug/L			01/20/16 16:44	10
p-Chlorotoluene	ND		10	5.6	ug/L			01/20/16 16:44	10
p-Isopropyltoluene	ND		10	7.1	ug/L			01/20/16 16:44	10

Client Sample ID: T12-ROX-011216

Lab Sample ID: 400-116254-1

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			01/20/16 16:44	10
Styrene	ND		10	10	ug/L			01/20/16 16:44	10
tert-Butylbenzene	ND		10	6.3	ug/L			01/20/16 16:44	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			01/20/16 16:44	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			01/20/16 16:44	10
Tetrachloroethene	ND		10	5.8	ug/L			01/20/16 16:44	10
Toluene	84		10	7.0	ug/L			01/20/16 16:44	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			01/20/16 16:44	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			01/20/16 16:44	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			01/20/16 16:44	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			01/20/16 16:44	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			01/20/16 16:44	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			01/20/16 16:44	10
Trichloroethene	ND		10	5.0	ug/L			01/20/16 16:44	10
Trichlorofluoromethane	ND		10	5.2	ug/L			01/20/16 16:44	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			01/20/16 16:44	10
1,2,4-Trimethylbenzene	130		10	8.2	ug/L			01/20/16 16:44	10
1,3,5-Trimethylbenzene	14		10	5.6	ug/L			01/20/16 16:44	10
Vinyl acetate	ND		250	20	ug/L			01/20/16 16:44	10
Vinyl chloride	ND		10	5.0	ug/L			01/20/16 16:44	10
Xylenes, Total	460		50	6.0	ug/L			01/20/16 16:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*01/20/16 16:44*	*10*
Dibromofluoromethane	*94*		*81 - 121*		*01/20/16 16:44*	*10*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/20/16 16:44*	*10*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.42		0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2
Acenaphthylene	ND		0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2
Anthracene	0.15	J	0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2
Benzo[a]anthracene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Benzo[a]pyrene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Benzo[b]fluoranthene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Benzo[g,h,i]perylene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Benzo[k]fluoranthene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Chrysene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Dibenz(a,h)anthracene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Fluoranthene	ND		0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2
Fluorene	0.33	J	0.40	0.042	ug/L		01/15/16 09:58	01/21/16 16:11	2
Indeno[1,2,3-cd]pyrene	ND		0.40	0.080	ug/L		01/15/16 09:58	01/21/16 16:11	2
Phenanthrene	0.88		0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2
Pyrene	ND		0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2
1-Methylnaphthalene	21		0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2
2-Methylnaphthalene	31		0.40	0.040	ug/L		01/15/16 09:58	01/21/16 16:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*74*		*33 - 138*	*01/15/16 09:58*	*01/21/16 16:11*	*2*
2-Fluorobiphenyl	*71*		*15 - 122*	*01/15/16 09:58*	*01/21/16 16:11*	*2*

Client Sample ID: T12-ROX-011216

Lab Sample ID: 400-116254-1

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		19 - 130	01/15/16 09:58	01/21/16 16:11	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 22:54	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 22:54	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 22:54	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 22:54	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 22:54	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 22:54	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 22:54	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 22:54	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 22:54	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 22:54	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 22:54	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 22:54	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 22:54	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 22:54	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 22:54	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 22:54	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:54	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 22:54	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 22:54	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 22:54	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 22:54	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 22:54	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 22:54	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 22:54	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 22:54	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 22:54	1
Indeno	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 22:54	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 22:54	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 22:54	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 22:54	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 22:54	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 22:54	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 22:54	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 22:54	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:54	1

Client Sample ID: T12-ROX-011216

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 22:54	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 22:54	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 22:54	1
Phenol	64		10	2.6	ug/L		01/15/16 09:58	01/18/16 22:54	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 22:54	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 22:54	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 22:54	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*34 - 120*	*01/15/16 09:58*	*01/18/16 22:54*	*1*
2-Fluorophenol	*44*		*10 - 120*	*01/15/16 09:58*	*01/18/16 22:54*	*1*
Nitrobenzene-d5	*77*		*27 - 120*	*01/15/16 09:58*	*01/18/16 22:54*	*1*
Phenol-d5	*65*		*10 - 120*	*01/15/16 09:58*	*01/18/16 22:54*	*1*
Terphenyl-d14	*76*		*53 - 125*	*01/15/16 09:58*	*01/18/16 22:54*	*1*
2,4,6-Tribromophenol	*94*		*15 - 135*	*01/15/16 09:58*	*01/18/16 22:54*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/16 08:15	01/15/16 18:18	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/16 08:15	01/15/16 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*121*		*51 - 149*	*01/15/16 08:15*	*01/15/16 18:18*	*1*

Client Sample ID: T12-ROX-011216-UN
Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			01/17/16 10:12	10
Acrolein	ND		200	100	ug/L			01/17/16 10:12	10
Acrylonitrile	ND		100	28	ug/L			01/17/16 10:12	10
Benzene	**1200**		10	3.8	ug/L			01/17/16 10:12	10
Bromobenzene	ND		10	5.4	ug/L			01/17/16 10:12	10
Bromochloromethane	ND		10	5.2	ug/L			01/17/16 10:12	10
Bromodichloromethane	ND		10	5.0	ug/L			01/17/16 10:12	10
Bromoform	ND		50	7.1	ug/L			01/17/16 10:12	10
Bromomethane	ND		10	9.8	ug/L			01/17/16 10:12	10
2-Butanone (MEK)	ND		250	26	ug/L			01/17/16 10:12	10
Carbon disulfide	ND		10	5.0	ug/L			01/17/16 10:12	10
Carbon tetrachloride	ND		10	5.0	ug/L			01/17/16 10:12	10
Chlorobenzene	ND		10	5.0	ug/L			01/17/16 10:12	10
Chloroethane	ND		10	7.6	ug/L			01/17/16 10:12	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			01/17/16 10:12	10
Chloroform	ND		10	6.0	ug/L			01/17/16 10:12	10
1-Chlorohexane	ND		10	7.0	ug/L			01/17/16 10:12	10
Chloromethane	ND		10	8.3	ug/L			01/17/16 10:12	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			01/17/16 10:12	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			01/17/16 10:12	10
Dibromochloromethane	ND		10	5.0	ug/L			01/17/16 10:12	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			01/17/16 10:12	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			01/17/16 10:12	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			01/17/16 10:12	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			01/17/16 10:12	10
1,1-Dichloroethane	ND		10	5.0	ug/L			01/17/16 10:12	10
1,2-Dichloroethane	ND		10	5.0	ug/L			01/17/16 10:12	10
1,1-Dichloroethene	ND		10	5.0	ug/L			01/17/16 10:12	10
1,2-Dichloropropane	ND		10	5.0	ug/L			01/17/16 10:12	10
1,3-Dichloropropane	ND		10	5.0	ug/L			01/17/16 10:12	10
2,2-Dichloropropane	ND		10	5.0	ug/L			01/17/16 10:12	10
1,1-Dichloropropene	ND		10	5.0	ug/L			01/17/16 10:12	10
Ethylbenzene	ND		10	5.0	ug/L			01/17/16 10:12	10
Ethyl methacrylate	ND		10	6.0	ug/L			01/17/16 10:12	10
Hexachlorobutadiene	ND		50	9.0	ug/L			01/17/16 10:12	10
2-Hexanone	ND		250	31	ug/L			01/17/16 10:12	10
Isopropylbenzene	ND		10	5.3	ug/L			01/17/16 10:12	10
Methylene bromide	ND		50	5.9	ug/L			01/17/16 10:12	10
Methylene Chloride	ND		50	30	ug/L			01/17/16 10:12	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			01/17/16 10:12	10
Methyl tert-butyl ether	**46**		10	7.4	ug/L			01/17/16 10:12	10
m-Xylene & p-Xylene	**440**		50	16	ug/L			01/17/16 10:12	10
Naphthalene	**62**		10	10	ug/L			01/17/16 10:12	10
n-Butylbenzene	ND		10	7.6	ug/L			01/17/16 10:12	10
N-Propylbenzene	ND		10	6.9	ug/L			01/17/16 10:12	10
o-Chlorotoluene	ND		10	5.7	ug/L			01/17/16 10:12	10
o-Xylene	**7.4**	**J**	50	6.0	ug/L			01/17/16 10:12	10
p-Chlorotoluene	ND		10	5.6	ug/L			01/17/16 10:12	10
p-Isopropyltoluene	ND		10	7.1	ug/L			01/17/16 10:12	10

Client Sample ID: T12-ROX-011216-UN

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			01/17/16 10:12	10
Styrene	ND		10	10	ug/L			01/17/16 10:12	10
tert-Butylbenzene	ND		10	6.3	ug/L			01/17/16 10:12	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			01/17/16 10:12	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			01/17/16 10:12	10
Tetrachloroethene	ND		10	5.8	ug/L			01/17/16 10:12	10
Toluene	46		10	7.0	ug/L			01/17/16 10:12	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			01/17/16 10:12	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			01/17/16 10:12	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			01/17/16 10:12	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			01/17/16 10:12	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			01/17/16 10:12	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			01/17/16 10:12	10
Trichloroethene	ND		10	5.0	ug/L			01/17/16 10:12	10
Trichlorofluoromethane	ND		10	5.2	ug/L			01/17/16 10:12	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			01/17/16 10:12	10
1,2,4-Trimethylbenzene	110		10	8.2	ug/L			01/17/16 10:12	10
1,3,5-Trimethylbenzene	13		10	5.6	ug/L			01/17/16 10:12	10
Vinyl acetate	ND		250	20	ug/L			01/17/16 10:12	10
Vinyl chloride	ND		10	5.0	ug/L			01/17/16 10:12	10
Xylenes, Total	450		50	6.0	ug/L			01/17/16 10:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*78 - 118*		*01/17/16 10:12*	*10*
Dibromofluoromethane	*93*		*81 - 121*		*01/17/16 10:12*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/17/16 10:12*	*10*

Client Sample ID: P59-ROX-011216-EB
Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 13:08	1
Acrolein	ND		20	10	ug/L			01/17/16 13:08	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 13:08	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 13:08	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 13:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 13:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 13:08	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 13:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 13:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 13:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 13:08	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 13:08	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 13:08	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 13:08	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 13:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 13:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 13:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 13:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 13:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 13:08	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 13:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 13:08	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 13:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 13:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 13:08	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 13:08	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 13:08	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 13:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 13:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 13:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 13:08	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 13:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 13:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 13:08	1

Client Sample ID: P59-ROX-011216-EB

Lab Sample ID: 400-116254-3

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 13:08	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 13:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 13:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 13:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 13:08	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 13:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 13:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 13:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 13:08	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:08	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 13:08	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 13:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 13:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 13:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 13:08	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 13:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 13:08	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/17/16 13:08*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/17/16 13:08*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/17/16 13:08*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 16:48	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 16:48	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1
1-Methylnaphthalene	**0.026**	J	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1
2-Methylnaphthalene	**0.045**	J	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*99*		*33 - 138*	*01/15/16 09:58*	*01/21/16 16:48*	*1*
2-Fluorobiphenyl	*68*		*15 - 122*	*01/15/16 09:58*	*01/21/16 16:48*	*1*

Client Sample ID: P59-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-3

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		19 - 130	01/15/16 09:58	01/21/16 16:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 23:31	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 23:31	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 23:31	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 23:31	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 23:31	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 23:31	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 23:31	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 23:31	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 23:31	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 23:31	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 23:31	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 23:31	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 23:31	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 23:31	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 23:31	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 23:31	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 23:31	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 23:31	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 23:31	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 23:31	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 23:31	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 23:31	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 23:31	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 23:31	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 23:31	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 23:31	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 23:31	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 23:31	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 23:31	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 23:31	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 23:31	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 23:31	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 23:31	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 23:31	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 23:31	1

Client Sample ID: P59-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 23:31	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 23:31	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 23:31	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 23:31	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 23:31	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 23:31	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 23:31	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*34 - 120*	*01/15/16 09:58*	*01/18/16 23:31*	*1*
2-Fluorophenol	*10*		*10 - 120*	*01/15/16 09:58*	*01/18/16 23:31*	*1*
Nitrobenzene-d5	*73*		*27 - 120*	*01/15/16 09:58*	*01/18/16 23:31*	*1*
Phenol-d5	*16*		*10 - 120*	*01/15/16 09:58*	*01/18/16 23:31*	*1*
Terphenyl-d14	*103*		*53 - 125*	*01/15/16 09:58*	*01/18/16 23:31*	*1*
2,4,6-Tribromophenol	*21*		*15 - 135*	*01/15/16 09:58*	*01/18/16 23:31*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/15/16 08:15	01/15/16 18:48	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/15/16 08:15	01/15/16 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*51 - 149*	*01/15/16 08:15*	*01/15/16 18:48*	*1*

Client Sample ID: P59-ROX-011216

Date Collected: 01/12/16 11:40
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		630	250	ug/L			01/17/16 17:00	25
Acrolein	ND		500	250	ug/L			01/17/16 17:00	25
Acrylonitrile	ND		250	70	ug/L			01/17/16 17:00	25
Benzene	**5400**		25	9.5	ug/L			01/17/16 17:00	25
Bromobenzene	ND		25	14	ug/L			01/17/16 17:00	25
Bromochloromethane	ND		25	13	ug/L			01/17/16 17:00	25
Bromodichloromethane	ND		25	13	ug/L			01/17/16 17:00	25
Bromoform	ND		130	18	ug/L			01/17/16 17:00	25
Bromomethane	ND		25	25	ug/L			01/17/16 17:00	25
2-Butanone (MEK)	ND		630	65	ug/L			01/17/16 17:00	25
Carbon disulfide	ND		25	13	ug/L			01/17/16 17:00	25
Carbon tetrachloride	ND		25	13	ug/L			01/17/16 17:00	25
Chlorobenzene	ND		25	13	ug/L			01/17/16 17:00	25
Dibromochloromethane	ND		25	13	ug/L			01/17/16 17:00	25
Chloroethane	ND		25	19	ug/L			01/17/16 17:00	25
2-Chloroethyl vinyl ether	ND		130	50	ug/L			01/17/16 17:00	25
Chloroform	ND		25	15	ug/L			01/17/16 17:00	25
1-Chlorohexane	ND		25	18	ug/L			01/17/16 17:00	25
Chloromethane	ND		25	21	ug/L			01/17/16 17:00	25
cis-1,2-Dichloroethene	ND		25	13	ug/L			01/17/16 17:00	25
cis-1,3-Dichloropropene	ND		130	13	ug/L			01/17/16 17:00	25
1,2-Dichlorobenzene	ND		25	13	ug/L			01/17/16 17:00	25
1,3-Dichlorobenzene	ND		25	14	ug/L			01/17/16 17:00	25
1,4-Dichlorobenzene	ND		25	16	ug/L			01/17/16 17:00	25
Dichlorodifluoromethane	ND		25	21	ug/L			01/17/16 17:00	25
1,1-Dichloroethane	ND		25	13	ug/L			01/17/16 17:00	25
1,2-Dichloroethane	ND		25	13	ug/L			01/17/16 17:00	25
1,1-Dichloroethene	ND		25	13	ug/L			01/17/16 17:00	25
1,2-Dichloropropane	ND		25	13	ug/L			01/17/16 17:00	25
1,3-Dichloropropane	ND		25	13	ug/L			01/17/16 17:00	25
2,2-Dichloropropane	ND		25	13	ug/L			01/17/16 17:00	25
1,1-Dichloropropene	ND		25	13	ug/L			01/17/16 17:00	25
Ethylbenzene	**1100**		25	13	ug/L			01/17/16 17:00	25
Ethyl methacrylate	ND		25	15	ug/L			01/17/16 17:00	25
Hexachlorobutadiene	ND		130	23	ug/L			01/17/16 17:00	25
2-Hexanone	ND		630	78	ug/L			01/17/16 17:00	25
Isopropylbenzene	**22**	**J**	25	13	ug/L			01/17/16 17:00	25
Methylene bromide	ND		130	15	ug/L			01/17/16 17:00	25
Methylene Chloride	ND		130	75	ug/L			01/17/16 17:00	25
4-Methyl-2-pentanone (MIBK)	ND		630	45	ug/L			01/17/16 17:00	25
Methyl tert-butyl ether	ND		25	19	ug/L			01/17/16 17:00	25
m-Xylene & p-Xylene	**2300**		130	40	ug/L			01/17/16 17:00	25
Naphthalene	**110**		25	25	ug/L			01/17/16 17:00	25
n-Butylbenzene	ND		25	19	ug/L			01/17/16 17:00	25
N-Propylbenzene	**37**		25	17	ug/L			01/17/16 17:00	25
o-Chlorotoluene	ND		25	14	ug/L			01/17/16 17:00	25
o-Xylene	**460**		130	15	ug/L			01/17/16 17:00	25
p-Chlorotoluene	ND		25	14	ug/L			01/17/16 17:00	25
p-Isopropyltoluene	ND		25	18	ug/L			01/17/16 17:00	25

Client Sample ID: P59-ROX-011216
Date Collected: 01/12/16 11:40
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		25	18	ug/L			01/17/16 17:00	25
Styrene	ND		25	25	ug/L			01/17/16 17:00	25
tert-Butylbenzene	ND		25	16	ug/L			01/17/16 17:00	25
1,1,1,2-Tetrachloroethane	ND		25	13	ug/L			01/17/16 17:00	25
1,1,2,2-Tetrachloroethane	ND		25	13	ug/L			01/17/16 17:00	25
Tetrachloroethene	ND		25	15	ug/L			01/17/16 17:00	25
Toluene	1600		25	18	ug/L			01/17/16 17:00	25
trans-1,2-Dichloroethene	ND		25	13	ug/L			01/17/16 17:00	25
trans-1,3-Dichloropropene	ND		130	13	ug/L			01/17/16 17:00	25
1,2,3-Trichlorobenzene	ND		25	18	ug/L			01/17/16 17:00	25
1,2,4-Trichlorobenzene	ND		25	21	ug/L			01/17/16 17:00	25
1,1,1-Trichloroethane	ND		25	13	ug/L			01/17/16 17:00	25
1,1,2-Trichloroethane	ND		130	13	ug/L			01/17/16 17:00	25
Trichloroethene	ND		25	13	ug/L			01/17/16 17:00	25
Trichlorofluoromethane	ND		25	13	ug/L			01/17/16 17:00	25
1,2,3-Trichloropropane	ND		130	21	ug/L			01/17/16 17:00	25
1,2,4-Trimethylbenzene	260		25	21	ug/L			01/17/16 17:00	25
1,3,5-Trimethylbenzene	80		25	14	ug/L			01/17/16 17:00	25
Vinyl acetate	ND		630	50	ug/L			01/17/16 17:00	25
Vinyl chloride	ND		25	13	ug/L			01/17/16 17:00	25
Xylenes, Total	2800		130	15	ug/L			01/17/16 17:00	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/17/16 17:00*	*25*
Dibromofluoromethane	*96*		*81 - 121*		*01/17/16 17:00*	*25*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/17/16 17:00*	*25*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.36	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5
Acenaphthylene	0.19	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5
Anthracene	0.21	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5
Benzo[a]anthracene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Benzo[a]pyrene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Benzo[b]fluoranthene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Benzo[g,h,i]perylene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Benzo[k]fluoranthene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Chrysene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Dibenz(a,h)anthracene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Fluoranthene	0.17	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5
Fluorene	0.55	J	1.0	0.11	ug/L		01/15/16 09:58	01/21/16 17:26	5
Indeno[1,2,3-cd]pyrene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 17:26	5
Phenanthrene	0.89	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5
Pyrene	0.19	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5
1-Methylnaphthalene	17		1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5
2-Methylnaphthalene	26		1.0	0.10	ug/L		01/15/16 09:58	01/21/16 17:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*34*		*33 - 138*	*01/15/16 09:58*	*01/21/16 17:26*	*5*
2-Fluorobiphenyl	*70*		*15 - 122*	*01/15/16 09:58*	*01/21/16 17:26*	*5*

Client Sample ID: P59-ROX-011216

Date Collected: 01/12/16 11:40
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-4

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*72*		*19 - 130*	*01/15/16 09:58*	*01/21/16 17:26*	*5*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 00:07	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/19/16 00:07	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/19/16 00:07	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 00:07	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/19/16 00:07	1
bis (2-chlorolsopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/19/16 00:07	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/19/16 00:07	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/19/16 00:07	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 00:07	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/19/16 00:07	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 00:07	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 00:07	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 00:07	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 00:07	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/19/16 00:07	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/19/16 00:07	1
2,4-Dimethylphenol	**9.5**	**J**	10	3.5	ug/L		01/15/16 09:58	01/19/16 00:07	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/19/16 00:07	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/19/16 00:07	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/19/16 00:07	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 00:07	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 00:07	1
Di-n-octyl phthalate	**0.49**	**J**	10	0.44	ug/L		01/15/16 09:58	01/19/16 00:07	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/19/16 00:07	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/19/16 00:07	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/19/16 00:07	1
Indene	**18**		10	1.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/19/16 00:07	1
2-Methylphenol	**12**		10	1.8	ug/L		01/15/16 09:58	01/19/16 00:07	1
3 & 4 Methylphenol	**6.8**	**J**	20	1.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 00:07	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 00:07	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/19/16 00:07	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/19/16 00:07	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/19/16 00:07	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/19/16 00:07	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 00:07	1

Client Sample ID: P59-ROX-011216
Date Collected: 01/12/16 11:40
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/19/16 00:07	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/19/16 00:07	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/19/16 00:07	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/19/16 00:07	1
Pyridine	4.7	J	10	3.2	ug/L		01/15/16 09:58	01/19/16 00:07	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/19/16 00:07	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/19/16 00:07	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*34 - 120*	*01/15/16 09:58*	*01/19/16 00:07*	*1*
2-Fluorophenol	*25*		*10 - 120*	*01/15/16 09:58*	*01/19/16 00:07*	*1*
Nitrobenzene-d5	*70*		*27 - 120*	*01/15/16 09:58*	*01/19/16 00:07*	*1*
Phenol-d5	*60*		*10 - 120*	*01/15/16 09:58*	*01/19/16 00:07*	*1*
Terphenyl-d14	*36*	X	*53 - 125*	*01/15/16 09:58*	*01/19/16 00:07*	*1*
2,4,6-Tribromophenol	*81*		*15 - 135*	*01/15/16 09:58*	*01/19/16 00:07*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/15/16 08:15	01/15/16 19:17	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		01/15/16 08:15	01/15/16 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*51 - 149*	*01/15/16 08:15*	*01/15/16 19:17*	*1*

Client Sample ID: P57-ROX-011216

Date Collected: 01/12/16 14:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			01/17/16 17:26	1000
Acrolein	ND		20000	10000	ug/L			01/17/16 17:26	1000
Acrylonitrile	ND		10000	2800	ug/L			01/17/16 17:26	1000
Benzene	**160000**		1000	380	ug/L			01/17/16 17:26	1000
Bromobenzene	ND		1000	540	ug/L			01/17/16 17:26	1000
Bromochloromethane	ND		1000	520	ug/L			01/17/16 17:26	1000
Bromodichloromethane	ND		1000	500	ug/L			01/17/16 17:26	1000
Bromoform	ND		5000	710	ug/L			01/17/16 17:26	1000
Bromomethane	ND		1000	980	ug/L			01/17/16 17:26	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			01/17/16 17:26	1000
Carbon disulfide	ND		1000	500	ug/L			01/17/16 17:26	1000
Carbon tetrachloride	ND		1000	500	ug/L			01/17/16 17:26	1000
Chlorobenzene	ND		1000	500	ug/L			01/17/16 17:26	1000
Dibromochloromethane	ND		1000	500	ug/L			01/17/16 17:26	1000
Chloroethane	ND		1000	760	ug/L			01/17/16 17:26	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			01/17/16 17:26	1000
Chloroform	ND		1000	600	ug/L			01/17/16 17:26	1000
1-Chlorohexane	ND		1000	700	ug/L			01/17/16 17:26	1000
Chloromethane	ND		1000	830	ug/L			01/17/16 17:26	1000
cis-1,2-Dichloroethene	ND		1000	500	ug/L			01/17/16 17:26	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			01/17/16 17:26	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			01/17/16 17:26	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			01/17/16 17:26	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			01/17/16 17:26	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			01/17/16 17:26	1000
1,1-Dichloroethane	ND		1000	500	ug/L			01/17/16 17:26	1000
1,2-Dichloroethane	ND		1000	500	ug/L			01/17/16 17:26	1000
1,1-Dichloroethene	ND		1000	500	ug/L			01/17/16 17:26	1000
1,2-Dichloropropane	ND		1000	500	ug/L			01/17/16 17:26	1000
1,3-Dichloropropane	ND		1000	500	ug/L			01/17/16 17:26	1000
2,2-Dichloropropane	ND		1000	500	ug/L			01/17/16 17:26	1000
1,1-Dichloropropene	ND		1000	500	ug/L			01/17/16 17:26	1000
Ethylbenzene	**550**	J	1000	500	ug/L			01/17/16 17:26	1000
Ethyl methacrylate	ND		1000	600	ug/L			01/17/16 17:26	1000
Hexachlorobutadiene	ND		5000	900	ug/L			01/17/16 17:26	1000
2-Hexanone	ND		25000	3100	ug/L			01/17/16 17:26	1000
Isopropylbenzene	ND		1000	530	ug/L			01/17/16 17:26	1000
Methylene bromide	ND		5000	590	ug/L			01/17/16 17:26	1000
Methylene Chloride	ND		5000	3000	ug/L			01/17/16 17:26	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			01/17/16 17:26	1000
Methyl tert-butyl ether	ND		1000	740	ug/L			01/17/16 17:26	1000
m-Xylene & p-Xylene	ND		5000	1600	ug/L			01/17/16 17:26	1000
Naphthalene	ND		1000	1000	ug/L			01/17/16 17:26	1000
n-Butylbenzene	ND		1000	760	ug/L			01/17/16 17:26	1000
N-Propylbenzene	ND		1000	690	ug/L			01/17/16 17:26	1000
o-Chlorotoluene	ND		1000	570	ug/L			01/17/16 17:26	1000
o-Xylene	ND		5000	600	ug/L			01/17/16 17:26	1000
p-Chlorotoluene	ND		1000	560	ug/L			01/17/16 17:26	1000
p-Isopropyltoluene	ND		1000	710	ug/L			01/17/16 17:26	1000

Client Sample ID: P57-ROX-011216

Date Collected: 01/12/16 14:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1000	700	ug/L			01/17/16 17:26	1000
Styrene	ND		1000	1000	ug/L			01/17/16 17:26	1000
tert-Butylbenzene	ND		1000	630	ug/L			01/17/16 17:26	1000
1,1,1,2-Tetrachloroethane	ND		1000	520	ug/L			01/17/16 17:26	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			01/17/16 17:26	1000
Tetrachloroethene	ND		1000	580	ug/L			01/17/16 17:26	1000
Toluene	ND		1000	700	ug/L			01/17/16 17:26	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			01/17/16 17:26	1000
trans-1,3-Dichloropropene	ND		5000	500	ug/L			01/17/16 17:26	1000
1,2,3-Trichlorobenzene	ND		1000	700	ug/L			01/17/16 17:26	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			01/17/16 17:26	1000
1,1,1-Trichloroethane	ND		1000	500	ug/L			01/17/16 17:26	1000
1,1,2-Trichloroethane	ND		5000	500	ug/L			01/17/16 17:26	1000
Trichloroethene	ND		1000	500	ug/L			01/17/16 17:26	1000
Trichlorofluoromethane	ND		1000	520	ug/L			01/17/16 17:26	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			01/17/16 17:26	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			01/17/16 17:26	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			01/17/16 17:26	1000
Vinyl acetate	ND		25000	2000	ug/L			01/17/16 17:26	1000
Vinyl chloride	ND		1000	500	ug/L			01/17/16 17:26	1000
Xylenes, Total	830	J	5000	600	ug/L			01/17/16 17:26	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*78 - 118*		*01/17/16 17:26*	*1000*
Dibromofluoromethane	*97*		*81 - 121*		*01/17/16 17:26*	*1000*
Toluene-d8 (Surr)	*92*		*80 - 120*		*01/17/16 17:26*	*1000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5
Acenaphthylene	0.22	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5
Anthracene	ND		1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5
Benzo[a]anthracene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Benzo[a]pyrene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Benzo[b]fluoranthene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Benzo[g,h,i]perylene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Benzo[k]fluoranthene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Chrysene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Dibenz(a,h)anthracene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Fluoranthene	ND		1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5
Fluorene	0.89	J	1.0	0.11	ug/L		01/15/16 09:58	01/21/16 18:03	5
Indeno[1,2,3-cd]pyrene	ND		1.0	0.20	ug/L		01/15/16 09:58	01/21/16 18:03	5
Phenanthrene	0.71	J	1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5
Pyrene	ND		1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5
1-Methylnaphthalene	38		1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5
2-Methylnaphthalene	57		1.0	0.10	ug/L		01/15/16 09:58	01/21/16 18:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*33 - 138*	*01/15/16 09:58*	*01/21/16 18:03*	*5*
2-Fluorobiphenyl	*84*		*15 - 122*	*01/15/16 09:58*	*01/21/16 18:03*	*5*

Client Sample ID: P57-ROX-011216

Lab Sample ID: 400-116254-5

Date Collected: 01/12/16 14:00
Date Received: 01/13/16 09:33

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		19 - 130	01/15/16 09:58	01/21/16 18:03	5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 00:44	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/19/16 00:44	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/19/16 00:44	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 00:44	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/19/16 00:44	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/19/16 00:44	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/19/16 00:44	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/19/16 00:44	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 00:44	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/19/16 00:44	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 00:44	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 00:44	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 00:44	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
Dibenzofuran	1.0	J	10	0.52	ug/L		01/15/16 09:58	01/19/16 00:44	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/19/16 00:44	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/19/16 00:44	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 00:44	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/19/16 00:44	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/19/16 00:44	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/19/16 00:44	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 00:44	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 00:44	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/19/16 00:44	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/19/16 00:44	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/19/16 00:44	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/19/16 00:44	1
Indene	3.7	J	10	1.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/19/16 00:44	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 00:44	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 00:44	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 00:44	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/19/16 00:44	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/19/16 00:44	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/19/16 00:44	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/19/16 00:44	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 00:44	1

Client Sample ID: P57-ROX-011216
Date Collected: 01/12/16 14:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/19/16 00:44	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/19/16 00:44	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/19/16 00:44	1
Phenol	210		50	13	ug/L		01/15/16 09:58	01/19/16 20:43	5
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/19/16 00:44	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/19/16 00:44	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/19/16 00:44	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*34 - 120*	*01/15/16 09:58*	*01/19/16 00:44*	*1*
2-Fluorophenol	*69*		*10 - 120*	*01/15/16 09:58*	*01/19/16 00:44*	*1*
Nitrobenzene-d5	*86*		*27 - 120*	*01/15/16 09:58*	*01/19/16 00:44*	*1*
Phenol-d5	*71*		*10 - 120*	*01/15/16 09:58*	*01/19/16 00:44*	*1*
Terphenyl-d14	*58*		*53 - 125*	*01/15/16 09:58*	*01/19/16 00:44*	*1*
2,4,6-Tribromophenol	*97*		*15 - 135*	*01/15/16 09:58*	*01/19/16 00:44*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/15/16 08:15	01/15/16 19:47	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/15/16 08:15	01/15/16 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*01/15/16 08:15*	*01/15/16 19:47*	*1*

Client Sample ID: P-93A-ROX-011216

Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			01/17/16 17:51	2000
Acrolein	ND		40000	20000	ug/L			01/17/16 17:51	2000
Acrylonitrile	ND		20000	5600	ug/L			01/17/16 17:51	2000
Benzene	430000		2000	760	ug/L			01/17/16 17:51	2000
Bromobenzene	ND		2000	1100	ug/L			01/17/16 17:51	2000
Bromochloromethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
Bromodichloromethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
Bromoform	ND		10000	1400	ug/L			01/17/16 17:51	2000
Bromomethane	ND		2000	2000	ug/L			01/17/16 17:51	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			01/17/16 17:51	2000
Carbon disulfide	ND		2000	1000	ug/L			01/17/16 17:51	2000
Carbon tetrachloride	ND		2000	1000	ug/L			01/17/16 17:51	2000
Chlorobenzene	ND		2000	1000	ug/L			01/17/16 17:51	2000
Dibromochloromethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
Chloroethane	ND		2000	1500	ug/L			01/17/16 17:51	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			01/17/16 17:51	2000
Chloroform	ND		2000	1200	ug/L			01/17/16 17:51	2000
1-Chlorohexane	ND		2000	1400	ug/L			01/17/16 17:51	2000
Chloromethane	ND		2000	1700	ug/L			01/17/16 17:51	2000
cis-1,2-Dichloroethene	ND		2000	1000	ug/L			01/17/16 17:51	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			01/17/16 17:51	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			01/17/16 17:51	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			01/17/16 17:51	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			01/17/16 17:51	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,2-Dichloroethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			01/17/16 17:51	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,1-Dichloropropene	ND		2000	1000	ug/L			01/17/16 17:51	2000
Ethylbenzene	ND		2000	1000	ug/L			01/17/16 17:51	2000
Ethyl methacrylate	ND		2000	1200	ug/L			01/17/16 17:51	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			01/17/16 17:51	2000
2-Hexanone	ND		50000	6200	ug/L			01/17/16 17:51	2000
Isopropylbenzene	ND		2000	1100	ug/L			01/17/16 17:51	2000
Methylene bromide	ND		10000	1200	ug/L			01/17/16 17:51	2000
Methylene Chloride	ND		10000	6000	ug/L			01/17/16 17:51	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			01/17/16 17:51	2000
Methyl tert-butyl ether	ND		2000	1500	ug/L			01/17/16 17:51	2000
m-Xylene & p-Xylene	ND		10000	3200	ug/L			01/17/16 17:51	2000
Naphthalene	ND		2000	2000	ug/L			01/17/16 17:51	2000
n-Butylbenzene	ND		2000	1500	ug/L			01/17/16 17:51	2000
N-Propylbenzene	ND		2000	1400	ug/L			01/17/16 17:51	2000
o-Chlorotoluene	ND		2000	1100	ug/L			01/17/16 17:51	2000
o-Xylene	ND		10000	1200	ug/L			01/17/16 17:51	2000
p-Chlorotoluene	ND		2000	1100	ug/L			01/17/16 17:51	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			01/17/16 17:51	2000

Client Sample ID: P-93A-ROX-011216
Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2000	1400	ug/L			01/17/16 17:51	2000
Styrene	ND		2000	2000	ug/L			01/17/16 17:51	2000
tert-Butylbenzene	ND		2000	1300	ug/L			01/17/16 17:51	2000
1,1,1,2-Tetrachloroethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
Tetrachloroethene	ND		2000	1200	ug/L			01/17/16 17:51	2000
Toluene	ND		2000	1400	ug/L			01/17/16 17:51	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			01/17/16 17:51	2000
trans-1,3-Dichloropropene	ND		10000	1000	ug/L			01/17/16 17:51	2000
1,2,3-Trichlorobenzene	ND		2000	1400	ug/L			01/17/16 17:51	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			01/17/16 17:51	2000
1,1,1-Trichloroethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,1,2-Trichloroethane	ND		10000	1000	ug/L			01/17/16 17:51	2000
Trichloroethene	ND		2000	1000	ug/L			01/17/16 17:51	2000
Trichlorofluoromethane	ND		2000	1000	ug/L			01/17/16 17:51	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			01/17/16 17:51	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			01/17/16 17:51	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			01/17/16 17:51	2000
Vinyl acetate	ND		50000	4000	ug/L			01/17/16 17:51	2000
Vinyl chloride	ND		2000	1000	ug/L			01/17/16 17:51	2000
Xylenes, Total	ND		10000	1200	ug/L			01/17/16 17:51	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/17/16 17:51*	*2000*
Dibromofluoromethane	*98*		*81 - 121*		*01/17/16 17:51*	*2000*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/17/16 17:51*	*2000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 18:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 18:40	1
Phenanthrene	**0.11**	**J**	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1
1-Methylnaphthalene	**4.7**	**J**	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1
2-Methylnaphthalene	**1.8**	**J**	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*47*		*33 - 138*	*01/15/16 09:58*	*01/21/16 18:40*	*1*
2-Fluorobiphenyl	*80*		*15 - 122*	*01/15/16 09:58*	*01/21/16 18:40*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		19 - 130	01/15/16 09:58	01/21/16 18:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 01:20	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/19/16 01:20	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/19/16 01:20	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 01:20	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/19/16 01:20	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/19/16 01:20	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/19/16 01:20	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/19/16 01:20	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 01:20	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/19/16 01:20	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 01:20	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 01:20	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 01:20	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 01:20	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/19/16 01:20	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/19/16 01:20	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 01:20	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/19/16 01:20	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/19/16 01:20	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/19/16 01:20	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 01:20	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 01:20	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/19/16 01:20	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/19/16 01:20	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/19/16 01:20	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/19/16 01:20	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/19/16 01:20	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 01:20	1
3 & 4 Methylphenol	2.0	J	20	1.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 01:20	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 01:20	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/19/16 01:20	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/19/16 01:20	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/19/16 01:20	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/19/16 01:20	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 01:20	1

Client Sample ID: P-93A-ROX-011216

Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/19/16 01:20	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/19/16 01:20	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/19/16 01:20	1
Phenol	**240**		50	13	ug/L		01/15/16 09:58	01/19/16 21:21	5
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/19/16 01:20	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/19/16 01:20	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/19/16 01:20	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*34 - 120*	*01/15/16 09:58*	*01/19/16 01:20*	*1*
2-Fluorophenol	*60*		*10 - 120*	*01/15/16 09:58*	*01/19/16 01:20*	*1*
Nitrobenzene-d5	*75*		*27 - 120*	*01/15/16 09:58*	*01/19/16 01:20*	*1*
Phenol-d5	*62*		*10 - 120*	*01/15/16 09:58*	*01/19/16 01:20*	*1*
Terphenyl-d14	*50*	*X*	*53 - 125*	*01/15/16 09:58*	*01/19/16 01:20*	*1*
2,4,6-Tribromophenol	*80*		*15 - 135*	*01/15/16 09:58*	*01/19/16 01:20*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/15/16 08:15	01/15/16 20:17	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/15/16 08:15	01/15/16 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*51 - 149*	*01/15/16 08:15*	*01/15/16 20:17*	*1*

Client Sample ID: P-93A-ROX-011216-DUP

Lab Sample ID: 400-116254-7

Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			01/17/16 18:17	2000
Acrolein	ND		40000	20000	ug/L			01/17/16 18:17	2000
Acrylonitrile	ND		20000	5600	ug/L			01/17/16 18:17	2000
Benzene	450000		2000	760	ug/L			01/17/16 18:17	2000
Bromobenzene	ND		2000	1100	ug/L			01/17/16 18:17	2000
Bromochloromethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
Bromodichloromethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
Bromoform	ND		10000	1400	ug/L			01/17/16 18:17	2000
Bromomethane	ND		2000	2000	ug/L			01/17/16 18:17	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			01/17/16 18:17	2000
Carbon disulfide	ND		2000	1000	ug/L			01/17/16 18:17	2000
Carbon tetrachloride	ND		2000	1000	ug/L			01/17/16 18:17	2000
Chlorobenzene	ND		2000	1000	ug/L			01/17/16 18:17	2000
Dibromochloromethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
Chloroethane	ND		2000	1500	ug/L			01/17/16 18:17	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			01/17/16 18:17	2000
Chloroform	ND		2000	1200	ug/L			01/17/16 18:17	2000
1-Chlorohexane	ND		2000	1400	ug/L			01/17/16 18:17	2000
Chloromethane	ND		2000	1700	ug/L			01/17/16 18:17	2000
cis-1,2-Dichloroethene	ND		2000	1000	ug/L			01/17/16 18:17	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			01/17/16 18:17	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			01/17/16 18:17	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			01/17/16 18:17	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			01/17/16 18:17	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,2-Dichloroethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			01/17/16 18:17	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,1-Dichloropropene	ND		2000	1000	ug/L			01/17/16 18:17	2000
Ethylbenzene	ND		2000	1000	ug/L			01/17/16 18:17	2000
Ethyl methacrylate	ND		2000	1200	ug/L			01/17/16 18:17	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			01/17/16 18:17	2000
2-Hexanone	ND		50000	6200	ug/L			01/17/16 18:17	2000
Isopropylbenzene	ND		2000	1100	ug/L			01/17/16 18:17	2000
Methylene bromide	ND		10000	1200	ug/L			01/17/16 18:17	2000
Methylene Chloride	ND		10000	6000	ug/L			01/17/16 18:17	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			01/17/16 18:17	2000
Methyl tert-butyl ether	ND		2000	1500	ug/L			01/17/16 18:17	2000
m-Xylene & p-Xylene	ND		10000	3200	ug/L			01/17/16 18:17	2000
Naphthalene	ND		2000	2000	ug/L			01/17/16 18:17	2000
n-Butylbenzene	ND		2000	1500	ug/L			01/17/16 18:17	2000
N-Propylbenzene	ND		2000	1400	ug/L			01/17/16 18:17	2000
o-Chlorotoluene	ND		2000	1100	ug/L			01/17/16 18:17	2000
o-Xylene	ND		10000	1200	ug/L			01/17/16 18:17	2000
p-Chlorotoluene	ND		2000	1100	ug/L			01/17/16 18:17	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			01/17/16 18:17	2000

Client Sample ID: P-93A-ROX-011216-DUP
Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2000	1400	ug/L			01/17/16 18:17	2000
Styrene	ND		2000	2000	ug/L			01/17/16 18:17	2000
tert-Butylbenzene	ND		2000	1300	ug/L			01/17/16 18:17	2000
1,1,1,2-Tetrachloroethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
Tetrachloroethene	ND		2000	1200	ug/L			01/17/16 18:17	2000
Toluene	ND		2000	1400	ug/L			01/17/16 18:17	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			01/17/16 18:17	2000
trans-1,3-Dichloropropene	ND		10000	1000	ug/L			01/17/16 18:17	2000
1,2,3-Trichlorobenzene	ND		2000	1400	ug/L			01/17/16 18:17	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			01/17/16 18:17	2000
1,1,1-Trichloroethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,1,2-Trichloroethane	ND		10000	1000	ug/L			01/17/16 18:17	2000
Trichloroethene	ND		2000	1000	ug/L			01/17/16 18:17	2000
Trichlorofluoromethane	ND		2000	1000	ug/L			01/17/16 18:17	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			01/17/16 18:17	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			01/17/16 18:17	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			01/17/16 18:17	2000
Vinyl acetate	ND		50000	4000	ug/L			01/17/16 18:17	2000
Vinyl chloride	ND		2000	1000	ug/L			01/17/16 18:17	2000
Xylenes, Total	ND		10000	1200	ug/L			01/17/16 18:17	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*78 - 118*		*01/17/16 18:17*	*2000*
Dibromofluoromethane	*97*		*81 - 121*		*01/17/16 18:17*	*2000*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/17/16 18:17*	*2000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1
Fluorene	**0.18**	**J**	0.20	0.021	ug/L		01/15/16 09:58	01/21/16 19:18	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 19:18	1
Phenanthrene	**0.13**	**J**	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1
1-Methylnaphthalene	**6.4**	J	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1
2-Methylnaphthalene	**3.1**	J	0.20	0.020	ug/L		01/15/16 09:58	01/21/16 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*59*		*33 - 138*	*01/15/16 09:58*	*01/21/16 19:18*	*1*
2-Fluorobiphenyl	*64*		*15 - 122*	*01/15/16 09:58*	*01/21/16 19:18*	*1*

Client Sample ID: P-93A-ROX-011216-DUP

Lab Sample ID: 400-116254-7

Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		19 - 130	01/15/16 09:58	01/21/16 19:18	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 01:57	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/19/16 01:57	1
Benzoic acid	10	J	30	7.3	ug/L		01/15/16 09:58	01/19/16 01:57	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 01:57	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/19/16 01:57	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/19/16 01:57	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/19/16 01:57	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/19/16 01:57	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 01:57	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/19/16 01:57	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 01:57	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 01:57	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 01:57	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 01:57	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/19/16 01:57	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/19/16 01:57	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 01:57	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/19/16 01:57	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/19/16 01:57	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/19/16 01:57	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 01:57	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 01:57	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/19/16 01:57	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/19/16 01:57	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/19/16 01:57	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/19/16 01:57	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/19/16 01:57	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 01:57	1
3 & 4 Methylphenol	3.0	J	20	1.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 01:57	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 01:57	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/19/16 01:57	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/19/16 01:57	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/19/16 01:57	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/19/16 01:57	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 01:57	1

Client Sample ID: P-93A-ROX-011216-DUP
Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-7
Matrix: Water

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Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/19/16 01:57	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/19/16 01:57	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/19/16 01:57	1
Phenol	190		50	13	ug/L		01/15/16 09:58	01/19/16 21:59	5
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/19/16 01:57	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/19/16 01:57	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/19/16 01:57	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*34 - 120*	*01/15/16 09:58*	*01/19/16 01:57*	*1*
2-Fluorophenol	*67*		*10 - 120*	*01/15/16 09:58*	*01/19/16 01:57*	*1*
Nitrobenzene-d5	*84*		*27 - 120*	*01/15/16 09:58*	*01/19/16 01:57*	*1*
Phenol-d5	*72*		*10 - 120*	*01/15/16 09:58*	*01/19/16 01:57*	*1*
Terphenyl-d14	*61*		*53 - 126*	*01/15/16 09:58*	*01/19/16 01:57*	*1*
2,4,6-Tribromophenol	*91*		*15 - 135*	*01/15/16 09:58*	*01/19/16 01:57*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/15/16 08:15	01/15/16 20:46	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/15/16 08:15	01/15/16 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*01/15/16 08:15*	*01/15/16 20:46*	*1*

Client Sample ID: TB-ROX-011216-8011-A
Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-8
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/15/16 08:15	01/15/16 21:45	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/15/16 08:15	01/15/16 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*51 - 149*	*01/15/16 08:15*	*01/15/16 21:45*	*1*

Client Sample ID: TB-ROX-011216-8260-A

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 13:34	1
Acrolein	ND		20	10	ug/L			01/17/16 13:34	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 13:34	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 13:34	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 13:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 13:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 13:34	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 13:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 13:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 13:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 13:34	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 13:34	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 13:34	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 13:34	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 13:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 13:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 13:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 13:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 13:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 13:34	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 13:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 13:34	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 13:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 13:34	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 13:34	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 13:34	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 13:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 13:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 13:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 13:34	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 13:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 13:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 13:34	1

Client Sample ID: TB-ROX-011216-8260-A
Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 13:34	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 13:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 13:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 13:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 13:34	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 13:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 13:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 13:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 13:34	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:34	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 13:34	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 13:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 13:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 13:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 13:34	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 13:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 13:34	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/17/16 13:34*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/17/16 13:34*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/17/16 13:34*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011216-UN-A
Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 13:59	1
Acrolein	ND		20	10	ug/L			01/17/16 13:59	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 13:59	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 13:59	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 13:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 13:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 13:59	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 13:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 13:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 13:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 13:59	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 13:59	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 13:59	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 13:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 13:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 13:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 13:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 13:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 13:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 13:59	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 13:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 13:59	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 13:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 13:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 13:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 13:59	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 13:59	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 13:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 13:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 13:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 13:59	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 13:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 13:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 13:59	1

Client Sample ID: TB-ROX-011216-UN-A
Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 13:59	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 13:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 13:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 13:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 13:59	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 13:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 13:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 13:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 13:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 13:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 13:59	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 13:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 13:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 13:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 13:59	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 13:59	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 13:59	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*78 - 118*		*01/17/16 13:59*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/17/16 13:59*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/17/16 13:59*	*1*

Qualifiers

GC/MS VOA

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

GC/MS Semi 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.
X	Surrogate is outside control limits

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116254-1	T12-ROX-011216	103	94	108
400-116254-2	T12-ROX-011216-UN	113	93	94
400-116254-2 MS	T12-ROX-011216-UN	112	100	94
400-116254-2 MSD	T12-ROX-011216-UN	113	99	94
400-116254-3	P59-ROX-011216-EB	112	101	95
400-116254-4	P59-ROX-011216	112	96	93
400-116254-5	P57-ROX-011216	109	97	92
400-116254-6	P-93A-ROX-011216	112	98	93
400-116254-7	P-93A-ROX-011216-DUP	110	97	93
400-116254-9	TB-ROX-011216-8260-A	112	100	93
400-116254-10	TB-ROX-011216-UN-A	111	98	94
400-116471-A-1 MS	Matrix Spike	96	99	104
400-116471-A-1 MSD	Matrix Spike Duplicate	97	99	107
LCS 400-290736/1002	Lab Control Sample	114	102	95
LCS 400-291095/1002	Lab Control Sample	98	98	106
MB 400-290736/4	Method Blank	112	98	95
MB 400-291095/4	Method Blank	104	95	108

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116254-1	T12-ROX-011216	76	44	77	65	76	94
400-116254-3	P59-ROX-011216-EB	75	10	73	16	103	21
400-116254-4	P59-ROX-011216	74	25	70	60	36 X	81
400-116254-5	P57-ROX-011216	86	69	86	71	58	97
400-116254-6	P-93A-ROX-011216	82	60	75	62	50 X	80
400-116254-7	P-93A-ROX-011216-DUP	85	67	84	72	61	91
400-116310-E-6-B MS	Matrix Spike	88	51	78	45	77	88
400-116310-E-6-C MSD	Matrix Spike Duplicate	92	67	86	67	90	100
LCS 400-290632/2-A	Lab Control Sample	88	75	84	82	88	84
LCS 400-290632/3-A	Lab Control Sample	90	68	92	65	96	73
LCSD 400-290632/4-A	Lab Control Sample Dup	87	66	89	72	93	70
MB 400-290632/1-A	Method Blank	80	61	85	64	86	53

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116254-1	T12-ROX-011216	74	71	68
400-116254-3	P59-ROX-011216-EB	99	68	67
400-116254-4	P59-ROX-011216	34	70	72
400-116254-5	P57-ROX-011216	55	84	81
400-116254-6	P-93A-ROX-011216	47	80	71
400-116254-7	P-93A-ROX-011216-DUP	59	84	81
400-116310-E-6-B MS	Matrix Spike	71	80	84
400-116310-E-6-C MSD	Matrix Spike Duplicate	84	83	87
LCS 400-290632/2-A	Lab Control Sample	84	81	81
MB 400-290632/1-A	Method Blank	98	81	80

Surrogate Legend
TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(51-149)
400-116254-1	T12-ROX-011216	121
400-116254-3	P59-ROX-011216-EB	98
400-116254-4	P59-ROX-011216	108
400-116254-5	P57-ROX-011216	94
400-116254-6	P-93A-ROX-011216	86
400-116254-7	P-93A-ROX-011216-DUP	95
400-116254-8	TB-ROX-011216-8011-A	108
LCS 400-290589/2-A	Lab Control Sample	86
LCSD 400-290589/3-A	Lab Control Sample Dup	101
MB 400-290589/1-A	Method Blank	89

Surrogate Legend
BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: T12-ROX-011216

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	291095	01/20/16 16:44	CS	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 22:54	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		2	1000 mL	1 mL	291253	01/21/16 16:11	LWL	TAL PEN
Total/NA	Prep	8011			35.3 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35.3 mL	35 mL	290634	01/15/16 18:18	AM	TAL PEN

Client Sample ID: T12-ROX-011216-UN

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	290736	01/17/16 10:12	WPD	TAL PEN

Client Sample ID: P59-ROX-011216-EB

Date Collected: 01/12/16 10:55
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 13:08	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 23:31	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291253	01/21/16 16:48	LWL	TAL PEN
Total/NA	Prep	8011			36.1 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	36.1 mL	35 mL	290634	01/15/16 18:48	AM	TAL PEN

Client Sample ID: P59-ROX-011216

Date Collected: 01/12/16 11:40
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		25	5 mL	5 mL	290736	01/17/16 17:00	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/19/16 00:07	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291253	01/21/16 17:26	LWL	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35.9 mL	35 mL	290634	01/15/16 19:17	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P57-ROX-011216

Date Collected: 01/12/16 14:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1000	5 mL	5 mL	290736	01/17/16 17:26	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		5	1000 mL	1 mL	290878	01/19/16 20:43	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/19/16 00:44	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291253	01/21/16 18:03	LWL	TAL PEN
Total/NA	Prep	8011			36.2 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	36.2 mL	35 mL	290634	01/15/16 19:47	AM	TAL PEN

Client Sample ID: P-93A-ROX-011216

Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2000	5 mL	5 mL	290736	01/17/16 17:51	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		5	1000 mL	1 mL	290878	01/19/16 21:21	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/19/16 01:20	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291253	01/21/16 18:40	LWL	TAL PEN
Total/NA	Prep	8011			34.6 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	34.6 mL	35 mL	290634	01/15/16 20:17	AM	TAL PEN

Client Sample ID: P-93A-ROX-011216-DUP

Date Collected: 01/12/16 15:00
Date Received: 01/13/16 09:33

Lab Sample ID: 400-116254-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2000	5 mL	5 mL	290736	01/17/16 18:17	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		5	1000 mL	1 mL	290878	01/19/16 21:59	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/19/16 01:57	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291253	01/21/16 19:18	LWL	TAL PEN
Total/NA	Prep	8011			36.3 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	36.3 mL	35 mL	290634	01/15/16 20:46	AM	TAL PEN

Client Sample ID: TB-ROX-011216-8011-A

Lab Sample ID: 400-116254-8
Matrix: Water

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			36.6 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	36.6 mL	35 mL	290634	01/15/16 21:45	AM	TAL PEN

Client Sample ID: TB-ROX-011216-8260-A

Lab Sample ID: 400-116254-9
Matrix: Water

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 13:34	WPD	TAL PEN

Client Sample ID: TB-ROX-011216-UN-A

Lab Sample ID: 400-116254-10
Matrix: Water

Date Collected: 01/12/16 00:00
Date Received: 01/13/16 09:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 13:59	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290589/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290634	01/15/16 11:23	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 18:38	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291037	01/20/16 17:07	CEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290632/3-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 19:15	AJR	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-290736/1002
Matrix: Water
Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290738	01/17/16 08:11	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-291095/1002
Matrix: Water
Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291095	01/20/16 11:27	CS	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-290589/3-A
Matrix: Water
Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290634	01/15/16 11:52	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-290632/4-A
Matrix: Water
Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 19:51	AJR	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-290589/1-A
Matrix: Water
Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290589	01/15/16 08:15	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290634	01/15/16 10:53	AM	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 18:02	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291037	01/20/16 16:29	CEP	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-290736/4
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 08:59	WPD	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-291095/4
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291095	01/20/16 14:34	CS	TAL PEN

Client Sample ID: T12-ROX-011216-UN

Lab Sample ID: 400-116254-2 MS
Matrix: Water

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	290736	01/17/16 11:50	WPD	TAL PEN

Client Sample ID: T12-ROX-011216-UN

Lab Sample ID: 400-116254-2 MSD
Matrix: Water

Date Collected: 01/12/16 10:10
Date Received: 01/13/16 09:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	290736	01/17/16 12:16	WPD	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 290736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-2	T12-ROX-011216-UN	Total/NA	Water	8260B	
400-116254-2 MS	T12-ROX-011216-UN	Total/NA	Water	8260B	
400-116254-2 MSD	T12-ROX-011216-UN	Total/NA	Water	8260B	
400-116254-3	P59-ROX-011216-EB	Total/NA	Water	8260B	
400-116254-4	P59-ROX-011216	Total/NA	Water	8260B	
400-116254-5	P57-ROX-011216	Total/NA	Water	8260B	
400-116254-6	P-93A-ROX-011216	Total/NA	Water	8260B	
400-116254-7	P-93A-ROX-011216-DUP	Total/NA	Water	8260B	
400-116254-9	TB-ROX-011216-8260-A	Total/NA	Water	8260B	
400-116254-10	TB-ROX-011216-UN-A	Total/NA	Water	8260B	
LCS 400-290736/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290736/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 291095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-1	T12-ROX-011216	Total/NA	Water	8260B	
LCS 400-291095/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-291095/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 290632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-1	T12-ROX-011216	Total/NA	Water	3520C	
400-116254-3	P59-ROX-011216-EB	Total/NA	Water	3520C	
400-116254-4	P59-ROX-011216	Total/NA	Water	3520C	
400-116254-5	P57-ROX-011216	Total/NA	Water	3520C	
400-116254-6	P-93A-ROX-011216	Total/NA	Water	3520C	
400-116254-7	P-93A-ROX-011216-DUP	Total/NA	Water	3520C	
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-290632/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290632/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290632/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-1	T12-ROX-011216	Total/NA	Water	8270D	290632
400-116254-3	P59-ROX-011216-EB	Total/NA	Water	8270D	290632
400-116254-4	P59-ROX-011216	Total/NA	Water	8270D	290632
400-116254-5	P57-ROX-011216	Total/NA	Water	8270D	290632
400-116254-6	P-93A-ROX-011216	Total/NA	Water	8270D	290632
400-116254-7	P-93A-ROX-011216-DUP	Total/NA	Water	8270D	290632
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	8270D	290632
LCS 400-290632/3-A	Lab Control Sample	Total/NA	Water	8270D	290632
LCSD 400-290632/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	290632
MB 400-290632/1-A	Method Blank	Total/NA	Water	8270D	290632

Analysis Batch: 290878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-5	P57-ROX-011216	Total/NA	Water	8270D	290632

GC/MS Semi VOA (Continued)

Analysis Batch: 290878 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-6	P-93A-ROX-011216	Total/NA	Water	8270D	290632
400-116254-7	P-93A-ROX-011216-DUP	Total/NA	Water	8270D	290632

Analysis Batch: 291037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290632
MB 400-290632/1-A	Method Blank	Total/NA	Water	8270D LL	290632

Analysis Batch: 291253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-1	T12-ROX-011216	Total/NA	Water	8270D LL	290632
400-116254-3	P59-ROX-011216-EB	Total/NA	Water	8270D LL	290632
400-116254-4	P59-ROX-011216	Total/NA	Water	8270D LL	290632
400-116254-5	P57-ROX-011216	Total/NA	Water	8270D LL	290632
400-116254-6	P-93A-ROX-011216	Total/NA	Water	8270D LL	290632
400-116254-7	P-93A-ROX-011216-DUP	Total/NA	Water	8270D LL	290632

GC Semi VOA

Prep Batch: 290589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-1	T12-ROX-011216	Total/NA	Water	8011	
400-116254-3	P59-ROX-011216-EB	Total/NA	Water	8011	
400-116254-4	P59-ROX-011216	Total/NA	Water	8011	
400-116254-5	P57-ROX-011216	Total/NA	Water	8011	
400-116254-6	P-93A-ROX-011216	Total/NA	Water	8011	
400-116254-7	P-93A-ROX-011216-DUP	Total/NA	Water	8011	
400-116254-8	TB-ROX-011216-8011-A	Total/NA	Water	8011	
LCS 400-290589/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-290589/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 400-290589/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 290634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116254-1	T12-ROX-011216	Total/NA	Water	8011	290589
400-116254-3	P59-ROX-011216-EB	Total/NA	Water	8011	290589
400-116254-4	P59-ROX-011216	Total/NA	Water	8011	290589
400-116254-5	P57-ROX-011216	Total/NA	Water	8011	290589
400-116254-6	P-93A-ROX-011216	Total/NA	Water	8011	290589
400-116254-7	P-93A-ROX-011216-DUP	Total/NA	Water	8011	290589
400-116254-8	TB-ROX-011216-8011-A	Total/NA	Water	8011	290589
LCS 400-290589/2-A	Lab Control Sample	Total/NA	Water	8011	290589
LCSD 400-290589/3-A	Lab Control Sample Dup	Total/NA	Water	8011	290589
MB 400-290589/1-A	Method Blank	Total/NA	Water	8011	290589

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

Lab Sample ID: MB 400-290736/4
Matrix: Water
Analysis Batch: 290736

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 08:59	1
Acrolein	ND		20	10	ug/L			01/17/16 08:59	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 08:59	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 08:59	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 08:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 08:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 08:59	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 08:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 08:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 08:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 08:59	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 08:59	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 08:59	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 08:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 08:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 08:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 08:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 08:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 08:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 08:59	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 08:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 08:59	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 08:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 08:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 08:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 08:59	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/L			01/17/16 08:59	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 08:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 08:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 08:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 08:59	1
o-Xylene	ND		5.0	0.80	ug/L			01/17/16 08:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 08:59	1

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

Lab Sample ID: MB 400-290736/4
Matrix: Water
Analysis Batch: 290736

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 08:59	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 08:59	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 08:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 08:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 08:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 08:59	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 08:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 08:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 08:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 08:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 08:59	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 08:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 08:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 08:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 08:59	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 08:59	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/17/16 08:59*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/17/16 08:59*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/17/16 08:59*	*1*

Lab Sample ID: LCS 400-290736/1002
Matrix: Water
Analysis Batch: 290736

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	247		ug/L		123	43 - 160
Acrolein	500	556		ug/L		111	38 - 160
Acrylonitrile	500	576		ug/L		115	64 - 142
Benzene	50.0	50.2		ug/L		100	70 - 130
Bromobenzene	50.0	43.9		ug/L		88	70 - 132
Bromochloromethane	50.0	48.5		ug/L		97	70 - 130
Bromodichloromethane	50.0	56.0		ug/L		112	67 - 133
Bromoform	50.0	46.2		ug/L		92	57 - 140
Bromomethane	50.0	32.8		ug/L		66	10 - 160
2-Butanone (MEK)	200	206		ug/L		103	61 - 145
Carbon disulfide	50.0	54.4		ug/L		109	61 - 137
Carbon tetrachloride	50.0	53.5		ug/L		107	61 - 137
Chlorobenzene	50.0	43.4		ug/L		87	70 - 130
Chloroethane	50.0	40.0		ug/L		80	55 - 141
2-Chloroethyl vinyl ether	50.0	50.8		ug/L		102	10 - 160

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

Lab Sample ID: LCS 400-290736/1002
Matrix: Water
Analysis Batch: 290736

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	50.5		ug/L		101	69 - 130
1-Chlorohexane	50.0	52.2		ug/L		104	69 - 130
Chloromethane	50.0	51.2		ug/L		102	58 - 137
cis-1,2-Dichloroethene	50.0	55.8		ug/L		112	68 - 130
cis-1,3-Dichloropropene	50.0	56.6		ug/L		113	69 - 132
Dibromochloromethane	50.0	47.2		ug/L		94	67 - 135
1,2-Dichlorobenzene	50.0	41.6		ug/L		83	67 - 130
1,3-Dichlorobenzene	50.0	42.7		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	42.3		ug/L		85	70 - 130
Dichlorodifluoromethane	50.0	44.9		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	54.5		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	55.5		ug/L		111	69 - 130
1,1-Dichloroethene	50.0	51.2		ug/L		102	63 - 134
1,2-Dichloropropane	50.0	52.3		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	48.1		ug/L		96	70 - 130
2,2-Dichloropropane	50.0	59.7		ug/L		119	52 - 135
1,1-Dichloropropene	50.0	52.3		ug/L		105	70 - 130
Ethylbenzene	50.0	45.1		ug/L		90	70 - 130
Ethyl methacrylate	50.0	47.5		ug/L		95	68 - 130
Hexachlorobutadiene	50.0	44.7		ug/L		89	53 - 140
2-Hexanone	200	219		ug/L		109	65 - 137
Isopropylbenzene	50.0	45.0		ug/L		90	70 - 130
Methylene bromide	50.0	52.5		ug/L		105	70 - 130
Methylene Chloride	50.0	51.6		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	238		ug/L		119	69 - 138
Methyl tert-butyl ether	50.0	56.3		ug/L		113	66 - 130
m-Xylene & p-Xylene	50.0	46.7		ug/L		93	70 - 130
Naphthalene	50.0	45.4		ug/L		91	47 - 149
n-Butylbenzene	50.0	43.8		ug/L		88	67 - 130
N-Propylbenzene	50.0	46.3		ug/L		93	70 - 130
o-Chlorotoluene	50.0	45.8		ug/L		92	70 - 130
o-Xylene	50.0	45.7		ug/L		91	70 - 130
p-Chlorotoluene	50.0	46.7		ug/L		93	70 - 130
p-Isopropyltoluene	50.0	43.9		ug/L		88	65 - 130
sec-Butylbenzene	50.0	44.2		ug/L		88	66 - 130
Styrene	50.0	45.1		ug/L		90	70 - 130
tert-Butylbenzene	50.0	44.2		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	45.7		ug/L		91	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.3		ug/L		97	70 - 131
Tetrachloroethene	50.0	38.6		ug/L		77	65 - 130
Toluene	50.0	44.2		ug/L		88	70 - 130
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	44.1		ug/L		88	60 - 138
1,2,4-Trichlorobenzene	50.0	44.2		ug/L		88	60 - 140
1,1,1-Trichloroethane	50.0	54.8		ug/L		110	68 - 130
1,1,2-Trichloroethane	50.0	47.4		ug/L		95	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130

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

Lab Sample ID: LCS 400-290736/1002
Matrix: Water
Analysis Batch: 290736

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	50.0	39.1		ug/L		78	65 - 138
1,2,3-Trichloropropane	50.0	48.2		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	50.0	45.7		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	50.0	46.1		ug/L		92	69 - 130
Vinyl acetate	100	106		ug/L		106	26 - 160
Vinyl chloride	50.0	45.4		ug/L		91	59 - 136
Xylenes, Total	100	92.3		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*114*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 400-116254-2 MS
Matrix: Water
Analysis Batch: 290736

Client Sample ID: T12-ROX-011216-UN
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		2000	2400		ug/L		120	43 - 160
Acrolein	ND		5000	5620		ug/L		112	38 - 160
Acrylonitrile	ND		5000	5660		ug/L		113	62 - 149
Benzene	1200		500	1740		ug/L		109	56 - 142
Bromobenzene	ND		500	420		ug/L		84	59 - 136
Bromochloromethane	ND		500	493		ug/L		99	64 - 140
Bromodichloromethane	ND		500	565		ug/L		113	59 - 143
Bromoform	ND		500	429		ug/L		86	50 - 140
Bromomethane	ND		500	401		ug/L		80	10 - 160
2-Butanone (MEK)	ND		2000	2120		ug/L		106	55 - 150
Carbon disulfide	ND		500	552		ug/L		110	48 - 152
Carbon tetrachloride	ND		500	541		ug/L		108	55 - 145
Chlorobenzene	ND		500	422		ug/L		84	64 - 130
Chloroethane	ND		500	446		ug/L		89	50 - 151
2-Chloroethyl vinyl ether	ND		500	512		ug/L		102	10 - 160
Chloroform	ND		500	536		ug/L		107	60 - 141
1-Chlorohexane	ND		500	493		ug/L		99	56 - 136
Chloromethane	ND		500	553		ug/L		111	49 - 148
cis-1,2-Dichloroethene	ND		500	569		ug/L		114	59 - 143
cis-1,3-Dichloropropene	ND		500	568		ug/L		114	57 - 140
Dibromochloromethane	ND		500	470		ug/L		94	56 - 143
1,2-Dichlorobenzene	ND		500	393		ug/L		79	52 - 137
1,3-Dichlorobenzene	ND		500	395		ug/L		79	54 - 135
1,4-Dichlorobenzene	ND		500	382		ug/L		76	53 - 135
Dichlorodifluoromethane	ND		500	480		ug/L		96	16 - 160
1,1-Dichloroethane	ND		500	573		ug/L		115	61 - 144
1,2-Dichloroethane	ND		500	612		ug/L		122	60 - 141
1,1-Dichloroethene	ND		500	523		ug/L		105	54 - 147
1,2-Dichloropropane	ND		500	532		ug/L		106	66 - 137
1,3-Dichloropropane	ND		500	485		ug/L		97	66 - 133

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

Lab Sample ID: 400-116254-2 MS
Matrix: Water
Analysis Batch: 290736

Client Sample ID: T12-ROX-011216-UN
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		500	612		ug/L		122	42 - 144
1,1-Dichloropropene	ND		500	536		ug/L		107	65 - 136
Ethylbenzene	ND		500	436		ug/L		87	58 - 131
Ethyl methacrylate	ND		500	467		ug/L		93	64 - 130
Hexachlorobutadiene	ND		500	377		ug/L		75	31 - 149
2-Hexanone	ND		2000	2080		ug/L		104	65 - 140
Isopropylbenzene	ND		500	426		ug/L		85	56 - 133
Methylene bromide	ND		500	536		ug/L		107	63 - 138
Methylene Chloride	ND		500	594		ug/L		119	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		2000	2310		ug/L		115	63 - 146
Methyl tert-butyl ether	46		500	613		ug/L		113	59 - 137
m-Xylene & p-Xylene	440		500	888		ug/L		89	57 - 130
Naphthalene	62		500	486		ug/L		85	25 - 160
n-Butylbenzene	ND		500	403		ug/L		81	41 - 142
N-Propylbenzene	ND		500	427		ug/L		85	51 - 138
o-Chlorotoluene	ND		500	441		ug/L		88	53 - 134
o-Xylene	7.4	J	500	449		ug/L		88	61 - 130
p-Chlorotoluene	ND		500	435		ug/L		87	54 - 133
p-Isopropyltoluene	ND		500	403		ug/L		81	48 - 139
sec-Butylbenzene	ND		500	405		ug/L		81	50 - 138
Styrene	ND		500	435		ug/L		87	58 - 131
tert-Butylbenzene	ND		500	420		ug/L		84	54 - 146
1,1,1,2-Tetrachloroethane	ND		500	459		ug/L		92	59 - 137
1,1,2,2-Tetrachloroethane	ND		500	468		ug/L		94	66 - 135
Tetrachloroethene	ND		500	369		ug/L		74	52 - 133
Toluene	46		500	479		ug/L		87	65 - 130
trans-1,2-Dichloroethene	ND		500	516		ug/L		103	61 - 143
trans-1,3-Dichloropropene	ND		500	485		ug/L		97	53 - 133
1,2,3-Trichlorobenzene	ND		500	398		ug/L		80	43 - 145
1,2,4-Trichlorobenzene	ND		500	390		ug/L		78	39 - 148
1,1,1-Trichloroethane	ND		500	562		ug/L		112	57 - 142
1,1,2-Trichloroethane	ND		500	479		ug/L		96	66 - 131
Trichloroethene	ND		500	473		ug/L		95	64 - 136
Trichlorofluoromethane	ND		500	431		ug/L		86	54 - 156
1,2,3-Trichloropropane	ND		500	446		ug/L		89	65 - 133
1,2,4-Trimethylbenzene	110		500	532		ug/L		84	50 - 139
1,3,5-Trimethylbenzene	13		500	433		ug/L		84	52 - 135
Vinyl acetate	ND		1000	1100		ug/L		110	26 - 160
Vinyl chloride	ND		500	477		ug/L		95	46 - 152
Xylenes, Total	450		1000	1340		ug/L		89	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: 400-116254-2 MSD
Matrix: Water
Analysis Batch: 290736

Client Sample ID: T12-ROX-011216-UN
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		2000	2610		ug/L		130	43 - 160	8	30
Acrolein	ND		5000	6040		ug/L		121	38 - 160	7	31
Acrylonitrile	ND		5000	6090		ug/L		122	62 - 149	7	30
Benzene	1200		500	1820		ug/L		123	56 - 142	4	30
Bromobenzene	ND		500	453		ug/L		91	59 - 136	7	30
Bromochloromethane	ND		500	512		ug/L		102	64 - 140	4	30
Bromodichloromethane	ND		500	586		ug/L		117	59 - 143	4	30
Bromoform	ND		500	473		ug/L		95	50 - 140	10	30
Bromomethane	ND		500	422		ug/L		84	10 - 160	5	50
2-Butanone (MEK)	ND		2000	2180		ug/L		109	55 - 150	3	30
Carbon disulfide	ND		500	588		ug/L		118	48 - 152	6	30
Carbon tetrachloride	ND		500	577		ug/L		115	55 - 145	6	30
Chlorobenzene	ND		500	456		ug/L		91	64 - 130	8	30
Chloroethane	ND		500	456		ug/L		91	50 - 151	2	30
2-Chloroethyl vinyl ether	ND		500	534		ug/L		107	10 - 160	4	50
Chloroform	ND		500	561		ug/L		112	60 - 141	5	30
1-Chlorohexane	ND		500	550		ug/L		110	56 - 136	11	30
Chloromethane	ND		500	579		ug/L		116	49 - 148	5	31
cis-1,2-Dichloroethene	ND		500	601		ug/L		120	59 - 143	5	30
cis-1,3-Dichloropropene	ND		500	601		ug/L		120	57 - 140	6	30
Dibromochloromethane	ND		500	499		ug/L		100	56 - 143	6	30
1,2-Dichlorobenzene	ND		500	428		ug/L		86	52 - 137	9	30
1,3-Dichlorobenzene	ND		500	423		ug/L		85	54 - 135	7	30
1,4-Dichlorobenzene	ND		500	420		ug/L		84	53 - 135	9	30
Dichlorodifluoromethane	ND		500	502		ug/L		100	16 - 160	5	31
1,1-Dichloroethane	ND		500	595		ug/L		119	61 - 144	4	30
1,2-Dichloroethane	ND		500	624		ug/L		125	60 - 141	2	30
1,1-Dichloroethene	ND		500	557		ug/L		111	54 - 147	6	30
1,2-Dichloropropane	ND		500	556		ug/L		111	66 - 137	4	30
1,3-Dichloropropane	ND		500	517		ug/L		103	66 - 133	6	30
2,2-Dichloropropane	ND		500	655		ug/L		131	42 - 144	7	31
1,1-Dichloropropene	ND		500	564		ug/L		113	66 - 136	5	30
Ethylbenzene	ND		500	475		ug/L		95	58 - 131	9	30
Ethyl methacrylate	ND		500	501		ug/L		100	64 - 130	7	30
Hexachlorobutadiene	ND		500	488		ug/L		98	31 - 149	26	36
2-Hexanone	ND		2000	2270		ug/L		113	65 - 140	8	30
Isopropylbenzene	ND		500	471		ug/L		94	56 - 133	10	30
Methylene bromide	ND		500	552		ug/L		110	63 - 138	3	30
Methylene Chloride	ND		500	619		ug/L		124	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	ND		2000	2460		ug/L		123	63 - 146	6	30
Methyl tert-butyl ether	46		500	652		ug/L		121	59 - 137	6	30
m-Xylene & p-Xylene	440		500	987		ug/L		109	57 - 130	11	30
Naphthalene	62		500	560		ug/L		100	25 - 160	14	30
n-Butylbenzene	ND		500	452		ug/L		90	41 - 142	12	31
N-Propylbenzene	ND		500	471		ug/L		94	51 - 138	10	30
o-Chlorotoluene	ND		500	478		ug/L		96	53 - 134	8	30
o-Xylene	7.4	J	500	490		ug/L		97	61 - 130	9	30
p-Chlorotoluene	ND		500	470		ug/L		94	54 - 133	8	30

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

Lab Sample ID: 400-116254-2 MSD
Matrix: Water
Analysis Batch: 290736

Client Sample ID: T12-ROX-011216-UN
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		500	457		ug/L		91	48 - 139	13	30
sec-Butylbenzene	ND		500	460		ug/L		92	50 - 138	12	30
Styrene	ND		500	471		ug/L		94	58 - 131	8	30
tert-Butylbenzene	ND		500	467		ug/L		93	54 - 146	11	30
1,1,1,2-Tetrachloroethane	ND		500	497		ug/L		99	59 - 137	8	30
1,1,2,2-Tetrachloroethane	ND		500	502		ug/L		100	66 - 135	7	30
Tetrachloroethene	ND		500	402		ug/L		80	52 - 133	8	30
Toluene	46		500	517		ug/L		94	65 - 130	8	30
trans-1,2-Dichloroethene	ND		500	534		ug/L		107	61 - 143	3	30
trans-1,3-Dichloropropene	ND		500	521		ug/L		104	53 - 133	7	30
1,2,3-Trichlorobenzene	ND		500	458		ug/L		92	43 - 145	14	30
1,2,4-Trichlorobenzene	ND		500	445		ug/L		89	39 - 148	13	30
1,1,1-Trichloroethane	ND		500	592		ug/L		118	57 - 142	5	30
1,1,2-Trichloroethane	ND		500	509		ug/L		102	66 - 131	6	30
Trichloroethene	ND		500	503		ug/L		101	64 - 136	6	30
Trichlorofluoromethane	ND		500	448		ug/L		90	54 - 156	4	30
1,2,3-Trichloropropane	ND		500	493		ug/L		99	65 - 133	10	30
1,2,4-Trimethylbenzene	110		500	594		ug/L		97	50 - 139	11	30
1,3,5-Trimethylbenzene	13		500	487		ug/L		95	52 - 135	12	30
Vinyl acetate	ND		1000	1160		ug/L		116	26 - 160	6	33
Vinyl chloride	ND		500	499		ug/L		100	46 - 152	4	30
Xylenes, Total	450		1000	1480		ug/L		103	59 - 130	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*113*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 400-291095/4
Matrix: Water
Analysis Batch: 291095

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 14:34	1
Acrolein	ND		20	10	ug/L			01/20/16 14:34	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 14:34	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 14:34	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 14:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 14:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 14:34	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 14:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 14:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 14:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 14:34	1

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

Lab Sample ID: MB 400-291095/4
Matrix: Water
Analysis Batch: 291095

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.60	ug/L			01/20/16 14:34	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 14:34	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 14:34	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:34	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 14:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 14:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 14:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 14:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 14:34	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 14:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 14:34	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 14:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 14:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 14:34	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 14:34	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 14:34	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 14:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 14:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 14:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 14:34	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 14:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 14:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 14:34	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 14:34	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 14:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 14:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 14:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 14:34	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 14:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:34	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 14:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 14:34	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:34	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 14:34	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:34	1

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

Lab Sample ID: MB 400-291095/4
Matrix: Water
Analysis Batch: 291095

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 14:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 14:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 14:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 14:34	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 14:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 14:34	1
Xylenes, Total	ND		10	1.6	ug/L			01/20/16 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*78 - 118*		*01/20/16 14:34*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/20/16 14:34*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/20/16 14:34*	*1*

Lab Sample ID: LCS 400-291095/1002
Matrix: Water
Analysis Batch: 291095

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	175		ug/L		88	43 - 160
Acrolein	500	456		ug/L		91	38 - 160
Acrylonitrile	500	468		ug/L		94	64 - 142
Benzene	50.0	45.1		ug/L		90	70 - 130
Bromobenzene	50.0	52.0		ug/L		104	70 - 132
Bromochloromethane	50.0	45.4		ug/L		91	70 - 130
Bromodichloromethane	50.0	45.2		ug/L		90	67 - 133
Bromoform	50.0	48.1		ug/L		96	57 - 140
Bromomethane	50.0	44.3		ug/L		89	10 - 160
2-Butanone (MEK)	200	192		ug/L		96	61 - 145
Carbon disulfide	50.0	44.0		ug/L		88	61 - 137
Carbon tetrachloride	50.0	44.5		ug/L		89	61 - 137
Chlorobenzene	50.0	52.5		ug/L		105	70 - 130
Chloroethane	50.0	42.0		ug/L		84	55 - 141
2-Chloroethyl vinyl ether	50.0	38.6		ug/L		77	10 - 160
Chloroform	50.0	44.8		ug/L		90	69 - 130
1-Chlorohexane	50.0	50.3		ug/L		101	69 - 130
Chloromethane	50.0	32.2		ug/L		64	58 - 137
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	44.6		ug/L		89	69 - 132
Dibromochloromethane	50.0	50.9		ug/L		102	67 - 135
1,2-Dichlorobenzene	50.0	55.2		ug/L		110	67 - 130
1,3-Dichlorobenzene	50.0	54.4		ug/L		109	70 - 130
1,4-Dichlorobenzene	50.0	53.9		ug/L		108	70 - 130
Dichlorodifluoromethane	50.0	38.8		ug/L		78	41 - 146
1,1-Dichloroethane	50.0	52.6		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	46.2		ug/L		92	69 - 130
1,1-Dichloroethene	50.0	47.9		ug/L		96	63 - 134
1,2-Dichloropropane	50.0	44.2		ug/L		88	70 - 130
1,3-Dichloropropane	50.0	51.8		ug/L		104	70 - 130

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

Lab Sample ID: LCS 400-291095/1002
Matrix: Water
Analysis Batch: 291095

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	46.9		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	46.0		ug/L		90	70 - 130
Ethylbenzene	50.0	53.0		ug/L		106	70 - 130
Ethyl methacrylate	50.0	51.8		ug/L		104	68 - 130
Hexachlorobutadiene	50.0	54.1		ug/L		108	53 - 140
2-Hexanone	200	204		ug/L		102	65 - 137
Isopropylbenzene	50.0	53.8		ug/L		108	70 - 130
Methylene bromide	50.0	48.0		ug/L		96	70 - 130
Methylene Chloride	50.0	46.2		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	178		ug/L		89	69 - 138
Methyl tert-butyl ether	50.0	47.8		ug/L		96	66 - 130
m-Xylene & p-Xylene	50.0	52.8		ug/L		106	70 - 130
Naphthalene	50.0	53.6		ug/L		107	47 - 149
n-Butylbenzene	50.0	54.1		ug/L		108	67 - 130
N-Propylbenzene	50.0	53.3		ug/L		107	70 - 130
o-Chlorotoluene	50.0	52.5		ug/L		105	70 - 130
o-Xylene	50.0	52.8		ug/L		106	70 - 130
p-Chlorotoluene	50.0	53.3		ug/L		107	70 - 130
p-Isopropyltoluene	50.0	54.7		ug/L		109	65 - 130
sec-Butylbenzene	50.0	54.3		ug/L		109	66 - 130
Styrene	50.0	53.2		ug/L		106	70 - 130
tert-Butylbenzene	50.0	53.8		ug/L		108	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	55.1		ug/L		110	70 - 131
Tetrachloroethene	50.0	51.0		ug/L		102	65 - 130
Toluene	50.0	51.5		ug/L		103	70 - 130
trans-1,2-Dichloroethene	50.0	48.5		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	48.9		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	53.3		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	53.4		ug/L		107	60 - 140
1,1,1-Trichloroethane	50.0	45.0		ug/L		90	68 - 130
1,1,2-Trichloroethane	50.0	52.9		ug/L		106	70 - 130
Trichloroethene	50.0	45.3		ug/L		91	70 - 130
Trichlorofluoromethane	50.0	46.3		ug/L		93	65 - 138
1,2,3-Trichloropropane	50.0	54.8		ug/L		110	70 - 130
1,2,4-Trimethylbenzene	50.0	53.3		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	50.0	53.7		ug/L		107	69 - 130
Vinyl acetate	100	109		ug/L		109	26 - 160
Vinyl chloride	50.0	42.9		ug/L		86	59 - 136
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*106*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 18:02	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 18:02	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:02	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 18:02	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:02	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 18:02	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 18:02	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*34 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
2-Fluorophenol	*61*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Nitrobenzene-d5	*85*		*27 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Phenol-d5	*64*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Terphenyl-d14	*86*		*53 - 125*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
2,4,6-Tribromophenol	*53*		*15 - 135*	*01/15/16 09:58*	*01/18/16 18:02*	*1*

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	23.4		ug/L		78	10 - 145
Benzoic acid	127	51.5		ug/L		40	10 - 120
Benzyl alcohol	30.0	28.5		ug/L		95	51 - 121
Bis(2-chloroethoxy)methane	30.0	26.0		ug/L		87	54 - 123
Bis(2-chloroethyl)ether	30.0	26.5		ug/L		88	47 - 120
bis (2-chloroisopropyl) ether	30.0	29.3		ug/L		98	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	31.7		ug/L		106	62 - 140
4-Bromophenyl phenyl ether	30.0	25.8		ug/L		86	62 - 132
Butyl benzyl phthalate	30.0	29.6		ug/L		99	51 - 150
4-Chloroaniline	30.0	20.5		ug/L		68	32 - 128
4-Chloro-3-methylphenol	30.0	27.3		ug/L		91	47 - 135
2-Chloronaphthalene	30.0	26.7		ug/L		89	24 - 150
2-Chlorophenol	30.0	24.9		ug/L		83	45 - 120
4-Chlorophenyl phenyl ether	30.0	26.6		ug/L		89	61 - 133
Dibenz[a,h]acridine	30.0	25.8		ug/L		86	60 - 131
Dibenzofuran	30.0	26.8		ug/L		89	62 - 124
3,3'-Dichlorobenzidine	40.0	37.7		ug/L		94	16 - 167
2,4-Dichlorophenol	30.0	25.3		ug/L		84	52 - 125
Diethyl phthalate	30.0	29.1		ug/L		97	55 - 140
2,4-Dimethylphenol	30.0	25.2		ug/L		84	52 - 121
Dimethyl phthalate	30.0	27.1		ug/L		90	50 - 133
Di-n-butyl phthalate	30.0	31.4		ug/L		105	59 - 144
4,6-Dinitro-ortho-cresol	60.0	55.7		ug/L		93	46 - 136
2,4-Dinitrophenol	110	91.8		ug/L		83	22 - 146
2,4-Dinitrotoluene	30.0	29.0		ug/L		97	54 - 141
2,6-Dinitrotoluene	30.0	28.1		ug/L		94	61 - 130
Di-n-octyl phthalate	30.0	31.9		ug/L		106	55 - 140
1,4-Dioxane	30.0	20.7		ug/L		69	10 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Diphenylhydrazine (as Azobenzene)	30.0	28.7		ug/L		96	55 - 139
Hexachlorobenzene	30.0	25.1		ug/L		84	60 - 138
Hexachlorocyclopentadiene	30.0	22.5		ug/L		75	1 - 139
Hexachloroethane	30.0	23.0		ug/L		77	46 - 121
Indene	30.0	25.3		ug/L		84	17 - 141
Isophorone	30.0	26.4		ug/L		88	57 - 122
2-Methylphenol	30.0	27.0		ug/L		90	38 - 121
3 & 4 Methylphenol	30.0	26.7		ug/L		89	43 - 126
2-Nitroaniline	30.0	30.8		ug/L		103	52 - 135
3-Nitroaniline	30.0	24.8		ug/L		83	51 - 128
4-Nitroaniline	30.0	28.4		ug/L		95	38 - 141
Nitrobenzene	30.0	25.3		ug/L		84	52 - 128
2-Nitrophenol	30.0	24.8		ug/L		83	47 - 129
4-Nitrophenol	60.0	49.9		ug/L		83	34 - 137
N-Nitrosodimethylamine	30.0	27.1		ug/L		90	21 - 134
N-Nitrosodi-n-propylamine	30.0	28.3		ug/L		94	41 - 143
N-Nitrosodiphenylamine	64.9	26.9		ug/L		41	10 - 185
Pentachlorophenol	60.0	46.7		ug/L		78	38 - 138
Phenol	30.0	24.1		ug/L		80	37 - 120
Pyridine	30.0	21.2		ug/L		71	10 - 127
Quinoline	30.0	25.3		ug/L		84	10 - 164
2,4,5-Trichlorophenol	30.0	26.6		ug/L		89	53 - 130
2,4,6-Trichlorophenol	30.0	26.2		ug/L		87	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*34 - 120*
2-Fluorophenol	*75*		*10 - 120*
Nitrobenzene-d5	*84*		*27 - 120*
Phenol-d5	*82*		*10 - 120*
Terphenyl-d14	*88*		*53 - 125*
2,4,6-Tribromophenol	*84*		*15 - 135*

Lab Sample ID: LCS 400-290632/3-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	27.1		ug/L		90	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*34 - 120*
2-Fluorophenol	*68*		*10 - 120*
Nitrobenzene-d5	*92*		*27 - 120*
Phenol-d5	*65*		*10 - 120*
Terphenyl-d14	*96*		*53 - 125*
2,4,6-Tribromophenol	*73*		*15 - 135*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-290632/4-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	29.3		ug/L		98	20 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*66*		*10 - 120*
Nitrobenzene-d5	*89*		*27 - 120*
Phenol-d5	*72*		*10 - 120*
Terphenyl-d14	*93*		*53 - 125*
2,4,6-Tribromophenol	*70*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 16:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*98*		*33 - 136*	*01/15/16 09:58*	*01/20/16 16:29*	*1*
2-Fluorobiphenyl	*81*		*15 - 122*	*01/15/16 09:58*	*01/20/16 16:29*	*1*
Nitrobenzene-d5	*80*		*19 - 130*	*01/15/16 09:58*	*01/20/16 16:29*	*1*

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	24.8		ug/L		83	41 - 120
Acenaphthylene	30.0	24.8		ug/L		83	44 - 120

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	30.0	24.9		ug/L		83	49 - 120
Benzo[a]anthracene	30.0	25.2		ug/L		84	61 - 135
Benzo[a]pyrene	30.0	24.7		ug/L		82	52 - 120
Benzo[b]fluoranthene	30.0	28.1		ug/L		94	53 - 134
Benzo[g,h,i]perylene	30.0	18.9		ug/L		63	47 - 133
Benzo[k]fluoranthene	30.0	26.6		ug/L		89	57 - 134
Chrysene	30.0	25.5		ug/L		85	55 - 122
Dibenz(a,h)anthracene	30.0	23.2		ug/L		77	48 - 146
Fluoranthene	30.0	25.7		ug/L		86	54 - 128
Fluorene	30.0	27.3		ug/L		91	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	22.3		ug/L		74	43 - 142
Phenanthrene	30.0	24.9		ug/L		83	48 - 120
Pyrene	30.0	24.7		ug/L		82	48 - 132
1-Methylnaphthalene	30.0	25.2		ug/L		84	41 - 120
2-Methylnaphthalene	30.0	26.0		ug/L		87	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*84*		*33 - 138*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*81*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290589/1-A
Matrix: Water
Analysis Batch: 290634

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/16 08:15	01/15/16 10:53	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/16 08:15	01/15/16 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*51 - 149*	*01/15/16 08:15*	*01/15/16 10:53*	*1*

Lab Sample ID: LCS 400-290589/2-A
Matrix: Water
Analysis Batch: 290634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.102		ug/L		102	60 - 140
1,2-Dibromoethane	0.100	0.0876		ug/L		88	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*86*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 400-290589/3-A
Matrix: Water
Analysis Batch: 290634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290589

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.0987		ug/L		99	60 - 140	3	30
1,2-Dibromoethane	0.100	0.0880		ug/L		88	60 - 140	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)
Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
☐ S&W FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER ENV. SERVICES

Print Bill To Contact Name: Bob Billman
PO #: 60477387 - 1.03.001/1.030011

PlaNet Site or Project ID: 25278
GSAP Project ID: USPC00114/R02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 12 Jan. 2016
PAGE: 1 of 1

SAMPLING COMPANY: AECOM
JOB CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
REPORT DELIVERABLES TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Order ID
PROJECT CONTACT (Hardcopy or PDF Report to):
Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
SAMPLER NAME(S) PRINT: C. Williams / E. Schumacher
LAB USE ONLY
TELEPHONE: 314-429-0100
FAX: 314-429-0462
SEND Electronic EMAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ EDT AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	PRES	PRES	NONE	OTHER	NO. OF CONT.	UNIT COST 60477387 - 1.03.0011 VOC 8011	UNIT COST PAH 8270LL	NON-UNIT COST 60477387 - 1.03.001 VOC 8260	NON-UNIT COST SVOC 8270
	T12-ROX-011216	1/12/16	1010	Water	4			3		7	X	X	X	X
	T12-ROX-011216-UN		1010					2		2			X	
	P59-ROX-011216-EB		1058		4			3		7	X	X	X	X
	P59-ROX-011216		1140		4			3		7	X	X	X	X
	P57-ROX-011216		1400		4			3		7	X	X	X	X
	P93A-ROX-011216		1500		4			3		7	X	X	X	X
	P93A-ROX-011216-DUP		1500		4			3		7	X	X	X	X
	TB-ROX-011216-8011-A		0000		2					2	X			
	TB-ROX-011216-8260-A		0000		2					2			X	
	TB-ROX-011216-UN-A		0000					2		2			X	

400-116254 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	FedEx 8092 2040 7995	12 Jan. 2016	DK 1730
Relinquished by: (Signature)	Received by: (Signature)	Date: 1/13/16	Time: 0933
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

CUSTODY SEALS: TEST AMERICA 785005 785007 1.6°C, 1.6°C, 1.5°C, 2.3°C
785006 785008 IR5

Version: 14Dec15

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1/22/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116254-1
SDG Number: Proj. 60477387-1.03.001/1.03.0011

Login Number: 116254
List Number: 1
Creator: Perez, Trina M

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	1.6°C, 1.5°C, 2.3°C, 1.6°C IR-5
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116254-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116310-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/2/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW24-ROX-011316	MW24-ROX-011316-UN
MW9-ROX-011316	MW9-ROX-011316-UN
MW27-ROX-011316	MW10-ROX-011316
TB-ROX-011316-8011-B	TB-ROX-011316-8260-B
TB-ROX-011316-8260-UN-B	P58-ROX-011316
P93D-ROX-011316	P93B-ROX-011316
MW4-ROX-011316	TB-ROX-011316-8011-A
TB-ROX-011316-8260-A	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that the surrogate recovery for terphenyl-d_{14} was outside criteria in several samples. 2-Chloroethyl vinyl ether MS/MSD recoveries and benzoic acid MS/MSD RPDs were outside evaluation criteria in sample MW10-ROX-011316. Method 8260 VOCs in samples P58-ROX-011316, P93D-ROX-011316, and P93B-ROX-011316 were diluted due to high levels of target analytes, and PAHs also required minimal dilution to bring the concentration within instrument calibration range in sample P58-ROX-011316. These issues are addressed further in the appropriate sections below.

Additionally, the continuing calibration verification for hexachlorocyclopentadiene and benzenethiol exceeded evaluation criteria above the upper control limit, and benzo[g,h,i]perylene exceeded evaluation criteria, biased low. Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative, with the exception of samples MW24-ROX-011316-UN, MW9-ROX-011316-UN, and TB-ROX-011316-8260-UN-B, which were not HCl preserved.

The cooler receipt form indicated that two of four coolers were received by the laboratory at temperatures of 0.3°C and 1.7°C, which are outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW24-ROX-011316	SVOCs	Terphenyl-d_{14}	**45**	53-125
P58-ROX-011316	PAHs	Terphenyl-d_{14}	**30**	33-138
P58-ROX-011316	SVOCs	Terphenyl-d_{14}	**33**	53-125
P93B-ROX-011316	SVOCs	Terphenyl-d_{14}	**30**	53-125
MW4-ROX-011316	SVOCs	Terphenyl-d_{14}	**51**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six surrogate recoveries being outside evaluation criteria each sample parameter. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, sample MW10-ROX-011316 was spiked and analyzed for Method 8260 VOCs and Method 8270 SVOCs, PAHs, and VOCs by 8011.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW10-ROX-011316	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-160/50
MW10-ROX-011316	SVOCs	Benzoic acid	42/69	**50**	10-134/49

LCS/LCSD recoveries were within evaluation criteria; no further qualification of data was required.

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples requiring dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verification for benzo[g,h,i]perylene was below acceptance criteria. Benzo[g,h,i]perylene was qualified as summarized in the following table.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW24-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**J**
MW9-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**UJ**
MW27-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**UJ**
MW10-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**UJ**
P58-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**UJ**
P93D-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**UJ**
P93B-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**UJ**
MW4-ROX-011316	PAHs	Benzo[g,h,i]perylene	-	**UJ**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116310-1
TestAmerica SDG: Proj. 60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn S. Hooper

Authorized for release by:
1/25/2016 5:01:22 PM

Carolyn Hooper, Project Manager I
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LINKS

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Reviewed 2/2/16 [illegible]

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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Job ID: 400-116310-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116310-1

Receipt
The samples were received on 1/14/2016 10:18 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.3°C, 1.7°C, 2.3°C and 3.1°C.

GC/MS VOA
Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW24-ROX-011316 (400-116310-1), MW9-ROX-011316 (400-116310-3), MW27-ROX-011316 (400-116310-5), MW10-ROX-011316 (400-116310-6), TB-ROX-011316-8260-B (400-116310-8), P58-ROX-011316 (400-116310-10), P93D-ROX-011316 (400-116310-11), P93B-ROX-011316 (400-116310-12), MW4-ROX-011316 (400-116310-13) and TB-ROX-011316-8260-A (400-116310-15). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and acrylonitrile which are acid-labile compounds that degrade in an acidic medium.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-290579 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for batch 290579 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

GC/MS Semi VOA
Method 8270D: Surrogate recovery for the following sample was outside control limits: MW4-ROX-011316 (400-116310-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-290700 recovered above the upper control limit for Hexachlorocyclopentadiene and Benzenethiol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW4-ROX-011316 (400-116310-13) and (MB 400-290632/1-A).

Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW24-ROX-011316 (400-116310-1), P58-ROX-011316 (400-116310-10) and P93B-ROX-011316 (400-116310-12). These results have been reported and qualified.

Method 8270D LL: Surrogate recovery for the following sample was outside control limits: P58-ROX-011316 (400-116310-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-291156 recovered outside acceptance criteria, low biased, for Benzo[g,h,i]perylene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

The following sample was diluted to bring the concentration of target analytes within the calibration range : P58-ROX-011316 (400-116310-10). Elevated reporting limits (RLs) are provided. Dilution was also needed for failing ISTD's in the straight run.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116310-1	MW24-ROX-011316	Water	01/13/16 09:25	01/14/16 10:18
400-116310-2	MW24-ROX-011316-UN	Water	01/13/16 09:25	01/14/16 10:18
400-116310-3	MW9-ROX-011316	Water	01/13/16 10:20	01/14/16 10:18
400-116310-4	MW9-ROX-011316-UN	Water	01/13/16 10:20	01/14/16 10:18
400-116310-5	MW27-ROX-011316	Water	01/13/16 12:20	01/14/16 10:18
400-116310-6	MW10-ROX-011316	Water	01/13/16 14:45	01/14/16 10:18
400-116310-7	TB-ROX-011316-8011-B	Water	01/13/16 00:00	01/14/16 10:18
400-116310-8	TB-ROX-011316-8260-B	Water	01/13/16 00:00	01/14/16 10:18
400-116310-9	TB-ROX-011316-8260-UN-B	Water	01/13/16 00:00	01/14/16 10:18
400-116310-10	P58-ROX-011316	Water	01/13/16 10:00	01/14/16 10:18
400-116310-11	P93D-ROX-011316	Water	01/13/16 11:20	01/14/16 10:18
400-116310-12	P93B-ROX-011316	Water	01/13/16 13:50	01/14/16 10:18
400-116310-13	MW4-ROX-011316	Water	01/13/16 15:15	01/14/16 10:18
400-116310-14	TB-ROX-011316-8011-A	Water	01/13/16 00:00	01/14/16 10:18
400-116310-15	TB-ROX-011316-8260-A	Water	01/13/16 00:00	01/14/16 10:18

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

5

Client Sample ID: MW24-ROX-011316 — Lab Sample ID: 400-116310-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.078	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.059	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.060	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[g,h,i]perylene	0.067	J J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Benzo[k]fluoranthene	0.096	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Chrysene	0.092	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Dibenz(a,h)anthracene	0.081	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.036	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.057	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Pyrene	0.034	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW24-ROX-011316-UN — Lab Sample ID: 400-116310-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	25	10	ug/L	1		8260B	Total/NA

Client Sample ID: MW9-ROX-011316 — Lab Sample ID: 400-116310-3

No Detections.

Client Sample ID: MW9-ROX-011316-UN — Lab Sample ID: 400-116310-4

No Detections.

Client Sample ID: MW27-ROX-011316 — Lab Sample ID: 400-116310-5

No Detections.

Client Sample ID: MW10-ROX-011316 — Lab Sample ID: 400-116310-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	J	25	10	ug/L	1		8260B	Total/NA

Client Sample ID: TB-ROX-011316-8011-B — Lab Sample ID: 400-116310-7

No Detections.

Client Sample ID: TB-ROX-011316-8260-B — Lab Sample ID: 400-116310-8

No Detections.

Client Sample ID: TB-ROX-011316-8260-UN-B — Lab Sample ID: 400-116310-9

No Detections.

Client Sample ID: P58-ROX-011316 — Lab Sample ID: 400-116310-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	510000		2000	760	ug/L	2000		8260B	Total/NA
Acenaphthene	0.69		0.20	0.020	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.22		0.20	0.020	ug/L	1		8270D LL	Total/NA
Anthracene	0.067	J	0.20	0.020	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P58-ROX-011316 (Continued)

Lab Sample ID: 400-116310-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.063	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Fluorene	1.2		0.20	0.021	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.87		0.20	0.020	ug/L	1		8270D LL	Total/NA
Pyrene	0.17	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	62		2.0	0.20	ug/L	10		8270D LL	Total/NA
2-Methylnaphthalene	83		2.0	0.20	ug/L	10		8270D LL	Total/NA
Indene	2.5	J	10	1.0	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	15	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	68		10	2.6	ug/L	1		8270D	Total/NA

Client Sample ID: P93D-ROX-011316

Lab Sample ID: 400-116310-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14000		100	38	ug/L	100		8260B	Total/NA
Phenol	63		10	2.6	ug/L	1		8270D	Total/NA

Client Sample ID: P93B-ROX-011316

Lab Sample ID: 400-116310-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	280000		1000	380	ug/L	1000		8260B	Total/NA
Phenol	71		10	2.6	ug/L	1		8270D	Total/NA

Client Sample ID: MW4-ROX-011316

Lab Sample ID: 400-116310-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	120		1.0	0.38	ug/L	1		8260B	Total/NA
Ethylbenzene	0.66	J	1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	1.7		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	12		1.0	0.74	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	4.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
N-Propylbenzene	2.1		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	1.1	J	5.0	0.60	ug/L	1		8260B	Total/NA
Toluene	1.1		1.0	0.70	ug/L	1		8260B	Total/NA
Xylenes, Total	5.8		5.0	0.60	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.28		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.20		0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: TB-ROX-011316-8011-A

Lab Sample ID: 400-116310-14

No Detections.

Client Sample ID: TB-ROX-011316-8260-A

Lab Sample ID: 400-116310-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW24-ROX-011316

Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 14:25	1
Acrolein	ND		20	10	ug/L			01/17/16 14:25	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 14:25	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 14:25	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 14:25	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 14:25	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 14:25	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 14:25	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 14:25	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 14:25	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 14:25	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 14:25	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 14:25	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 14:25	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 14:25	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 14:25	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 14:25	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 14:25	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 14:25	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 14:25	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 14:25	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 14:25	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 14:25	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 14:25	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 14:25	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 14:25	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 14:25	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 14:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 14:25	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 14:25	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 14:25	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 14:25	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 14:25	1

Client Sample ID: MW24-ROX-011316
Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 14:25	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 14:25	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 14:25	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 14:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 14:25	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 14:25	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 14:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 14:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 14:25	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 14:25	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 14:25	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 14:25	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 14:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 14:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 14:25	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 14:25	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 14:25	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*78 - 118*		*01/17/16 14:25*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/17/16 14:25*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/17/16 14:25*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1
Benzo[a]anthracene	0.078	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Benzo[a]pyrene	0.059	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Benzo[b]fluoranthene	0.060	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Benzo[g,h,i]perylene	0.067	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Benzo[k]fluoranthene	0.096	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Chrysene	0.092	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Dibenz(a,h)anthracene	0.081	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Fluoranthene	0.036	J	0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 17:44	1
Indeno[1,2,3-cd]pyrene	0.057	J	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 17:44	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1
Pyrene	0.034	J	0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*48*		*33 - 138*	*01/15/16 09:58*	*01/20/16 17:44*	*1*
2-Fluorobiphenyl	*84*		*15 - 122*	*01/15/16 09:58*	*01/20/16 17:44*	*1*

Client Sample ID: MW24-ROX-011316

Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-1

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		19 - 130	01/15/16 09:58	01/20/16 17:44	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 17:49	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 17:49	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 17:49	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 17:49	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 17:49	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 17:49	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 17:49	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 17:49	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 17:49	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 17:49	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 17:49	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 17:49	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 17:49	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 17:49	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 17:49	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 17:49	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 17:49	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 17:49	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 17:49	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 17:49	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 17:49	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 17:49	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 17:49	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 17:49	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 17:49	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 17:49	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 17:49	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 17:49	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 17:49	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 17:49	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 17:49	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 17:49	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 17:49	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 17:49	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 17:49	1

Client Sample ID: MW24-ROX-011316

Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 17:49	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 17:49	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 17:49	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 17:49	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 17:49	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 17:49	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 17:49	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*34 - 120*	*01/15/16 09:58*	*01/18/16 17:49*	*1*
2-Fluorophenol	*53*		*10 - 120*	*01/15/16 09:58*	*01/18/16 17:49*	*1*
Nitrobenzene-d5	*82*		*27 - 120*	*01/15/16 09:58*	*01/18/16 17:49*	*1*
Phenol-d5	*53*		*10 - 120*	*01/15/16 09:58*	*01/18/16 17:49*	*1*
Terphenyl-d14	*45*	*X*	*53 - 125*	*01/15/16 09:58*	*01/18/16 17:49*	*1*
2,4,6-Tribromophenol	*52*		*15 - 135*	*01/15/16 09:58*	*01/18/16 17:49*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/18/16 12:01	01/18/16 17:52	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/18/16 12:01	01/18/16 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*01/18/16 12:01*	*01/18/16 17:52*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW24-ROX-011316-UN

Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11	J	25	10	ug/L			01/17/16 14:51	1
Acrolein	ND		20	10	ug/L			01/17/16 14:51	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 14:51	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 14:51	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 14:51	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 14:51	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 14:51	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 14:51	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 14:51	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 14:51	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 14:51	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 14:51	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 14:51	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 14:51	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 14:51	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 14:51	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 14:51	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 14:51	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 14:51	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 14:51	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 14:51	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 14:51	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 14:51	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 14:51	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 14:51	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 14:51	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 14:51	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 14:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 14:51	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 14:51	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 14:51	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 14:51	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 14:51	1

Client Sample ID: MW24-ROX-011316-UN

Lab Sample ID: 400-116310-2

Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 14:51	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 14:51	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 14:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 14:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 14:51	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 14:51	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 14:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 14:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 14:51	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 14:51	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 14:51	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 14:51	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 14:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 14:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 14:51	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 14:51	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 14:51	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/17/16 14:51*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/17/16 14:51*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/17/16 14:51*	*1*

Client Sample ID: MW9-ROX-011316

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 15:17	1
Acrolein	ND		20	10	ug/L			01/17/16 15:17	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 15:17	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 15:17	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 15:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 15:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 15:17	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 15:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 15:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 15:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 15:17	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 15:17	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 15:17	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 15:17	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 15:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 15:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 15:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 15:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 15:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 15:17	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 15:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 15:17	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 15:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 15:17	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 15:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 15:17	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 15:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 15:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 15:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 15:17	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 15:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 15:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 15:17	1

Client Sample ID: MW9-ROX-011316

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 15:17	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 15:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 15:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 15:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 15:17	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 15:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 15:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 15:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 15:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 15:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 15:17	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 15:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 15:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 15:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 15:17	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 15:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 15:17	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*78 - 118*		*01/17/16 15:17*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/17/16 15:17*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/17/16 15:17*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:21	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*72*		*33 - 138*	*01/15/16 09:58*	*01/20/16 18:21*	*1*
2-Fluorobiphenyl	*80*		*15 - 122*	*01/15/16 09:58*	*01/20/16 18:21*	*1*

Client Sample ID: MW9-ROX-011316

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-3

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		19 - 130	01/15/16 09:58	01/20/16 18:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 18:29	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 18:29	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 18:29	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:29	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 18:29	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 18:29	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 18:29	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 18:29	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:29	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 18:29	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 18:29	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:29	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:29	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:29	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:29	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 18:29	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:29	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 18:29	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 18:29	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 18:29	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:29	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:29	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 18:29	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 18:29	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 18:29	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 18:29	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 18:29	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:29	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:29	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:29	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 18:29	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 18:29	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 18:29	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 18:29	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:29	1

Client Sample ID: MW9-ROX-011316

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 18:29	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 18:29	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 18:29	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:29	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 18:29	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 18:29	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 18:29	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*34 - 120*	*01/15/16 09:58*	*01/18/16 18:29*	*1*
2-Fluorophenol	*56*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:29*	*1*
Nitrobenzene-d5	*76*		*27 - 120*	*01/15/16 09:58*	*01/18/16 18:29*	*1*
Phenol-d5	*64*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:29*	*1*
Terphenyl-d14	*68*		*53 - 125*	*01/15/16 09:58*	*01/18/16 18:29*	*1*
2,4,6-Tribromophenol	*69*		*15 - 135*	*01/15/16 09:58*	*01/18/16 18:29*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0058	ug/L		01/18/16 12:01	01/18/16 18:22	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/18/16 12:01	01/18/16 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*51 - 149*	*01/18/16 12:01*	*01/18/16 18:22*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW9-ROX-011316-UN

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 16:56	1
Acrolein	ND		20	10	ug/L			01/15/16 16:56	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 16:56	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 16:56	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 16:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 16:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 16:56	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 16:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 16:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 16:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 16:56	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 16:56	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 16:56	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 16:56	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 16:56	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 16:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 16:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 16:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 16:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 16:56	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 16:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 16:56	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 16:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 15:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 16:56	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 16:56	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 16:56	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 16:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 16:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 16:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 16:56	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 16:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 16:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 16:56	1

Client Sample ID: MW9-ROX-011316-UN

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 16:56	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 16:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 16:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 16:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 16:56	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 16:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 16:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 16:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 16:56	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 16:56	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 16:56	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 16:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 16:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 16:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 16:56	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 16:56	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 16:56	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*78 - 118*		*01/15/16 16:56*	*1*
4-Bromofluorobenzene	*113*		*78 - 118*		*01/17/16 15:43*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*01/15/16 16:56*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/17/16 15:43*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/15/16 16:56*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/17/16 15:43*	*1*

Client Sample ID: MW27-ROX-011316

Date Collected: 01/13/16 12:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 16:08	1
Acrolein	ND		20	10	ug/L			01/17/16 16:08	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 16:08	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 16:08	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 16:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 16:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 16:08	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 16:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 16:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 16:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 16:08	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 16:08	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 16:08	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 16:08	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 16:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
1,3-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 16:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 16:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 16:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 16:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 16:08	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 16:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 16:08	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 16:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 16:08	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 16:08	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 16:08	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 16:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 16:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 16:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 16:08	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 16:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 16:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 16:08	1

Client Sample ID: MW27-ROX-011316

Date Collected: 01/13/16 12:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 16:08	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 16:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 16:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 16:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 16:08	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 16:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 16:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 16:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 16:08	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 16:08	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 16:08	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 16:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 16:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 16:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 16:08	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 16:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 16:08	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*78 - 118*		*01/17/16 16:08*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/17/16 16:08*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*01/17/16 16:08*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 18:58	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 18:58	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*84*		*33 - 138*	*01/15/16 09:58*	*01/20/16 18:58*	*1*
2-Fluorobiphenyl	*84*		*15 - 122*	*01/15/16 09:58*	*01/20/16 18:58*	*1*

Client Sample ID: MW27-ROX-011316

Date Collected: 01/13/16 12:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-5

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*85*		*19 - 130*	*01/15/16 09:58*	*01/20/16 18:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 19:09	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 19:09	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 19:09	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 19:09	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 19:09	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 19:09	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 19:09	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 19:09	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 19:09	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 19:09	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 19:09	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 19:09	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 19:09	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 19:09	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 19:09	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 19:09	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 19:09	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 19:09	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 19:09	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 19:09	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 19:09	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 19:09	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 19:09	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 19:09	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 19:09	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 19:09	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 19:09	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 19:09	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 19:09	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 19:09	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 19:09	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 19:09	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 19:09	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 19:09	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 19:09	1

Client Sample ID: MW27-ROX-011316

Date Collected: 01/13/16 12:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 19:09	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 19:09	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 19:09	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 19:09	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 19:09	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 19:09	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 19:09	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*34 - 120*	*01/15/16 09:58*	*01/18/16 19:09*	*1*
2-Fluorophenol	*68*		*10 - 120*	*01/15/16 09:58*	*01/18/16 19:09*	*1*
Nitrobenzene-d5	*84*		*27 - 120*	*01/15/16 09:58*	*01/18/16 19:09*	*1*
Phenol-d5	*71*		*10 - 120*	*01/15/16 09:58*	*01/18/16 19:09*	*1*
Terphenyl-d14	*77*		*53 - 125*	*01/15/16 09:58*	*01/18/16 19:09*	*1*
2,4,6-Tribromophenol	*78*		*15 - 135*	*01/15/16 09:58*	*01/18/16 19:09*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0058	ug/L		01/18/16 12:01	01/18/16 18:51	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/18/16 12:01	01/18/16 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*51 - 149*	*01/18/16 12:01*	*01/18/16 18:51*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW10-ROX-011316

Date Collected: 01/13/16 14:45
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	23	J	25	10	ug/L			01/17/16 16:34	1
Acrolein	ND		20	10	ug/L			01/17/16 16:34	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 16:34	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 16:34	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 16:34	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 16:34	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 16:34	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 16:34	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 16:34	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 16:34	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 16:34	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 16:34	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 16:34	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 16:34	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 16:34	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 16:34	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 16:34	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 16:34	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 16:34	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 16:34	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 16:34	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 16:34	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 16:34	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 16:34	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 16:34	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 16:34	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 16:34	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 16:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 16:34	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 16:34	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 16:34	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 16:34	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 16:34	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW10-ROX-011316

Date Collected: 01/13/16 14:45
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 16:34	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 16:34	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 16:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 16:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 16:34	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 16:34	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 16:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 16:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 16:34	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 16:34	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 16:34	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 16:34	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 16:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 16:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 16:34	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 16:34	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 16:34	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*		*78 - 118*		*01/17/16 16:34*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/17/16 16:34*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*01/17/16 16:34*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 22:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:19	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*87*		*33 - 138*	*01/15/16 09:58*	*01/20/16 22:19*	*1*
2-Fluorobiphenyl	*90*		*15 - 122*	*01/15/16 09:58*	*01/20/16 22:19*	*1*

Client Sample ID: MW10-ROX-011316

Date Collected: 01/13/16 14:45
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-6

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		19 - 130	01/15/16 09:58	01/20/16 22:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 19:49	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 19:49	1
Benzoic acid	ND	F2	30	7.3	ug/L		01/15/16 09:58	01/18/16 19:49	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 19:49	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 19:49	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 19:49	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 19:49	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 19:49	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 19:49	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 19:49	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 19:49	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 19:49	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 19:49	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 19:49	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 19:49	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 19:49	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 19:49	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 19:49	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 19:49	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 19:49	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 19:49	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 19:49	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 19:49	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 19:49	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 19:49	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 19:49	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 19:49	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 19:49	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 19:49	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 19:49	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 19:49	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 19:49	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 19:49	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 19:49	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 19:49	1

Client Sample ID: MW10-ROX-011316

Date Collected: 01/13/16 14:45
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 19:49	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 19:49	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 19:49	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 19:49	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 19:49	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 19:49	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 19:49	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*34 - 120*	*01/15/16 09:58*	*01/18/16 19:49*	*1*
2-Fluorophenol	*65*		*10 - 120*	*01/15/16 09:58*	*01/18/16 19:49*	*1*
Nitrobenzene-d5	*84*		*27 - 120*	*01/15/16 09:58*	*01/18/16 19:49*	*1*
Phenol-d5	*63*		*10 - 120*	*01/15/16 09:58*	*01/18/16 19:49*	*1*
Terphenyl-d14	*80*		*53 - 125*	*01/15/16 09:58*	*01/18/16 19:49*	*1*
2,4,6-Tribromophenol	*78*		*15 - 135*	*01/15/16 09:58*	*01/18/16 19:49*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0059	ug/L		01/18/16 12:01	01/18/16 19:21	1
1,2-Dibromoethane	ND		0.021	0.0054	ug/L		01/18/16 12:01	01/18/16 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*51 - 149*	*01/18/16 12:01*	*01/18/16 19:21*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011316-8011-B

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-7

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/18/16 12:01	01/18/16 20:49	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/18/16 12:01	01/18/16 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*51 - 149*	*01/18/16 12:01*	*01/18/16 20:49*	*1*

Client Sample ID: TB-ROX-011316-8260-B

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 12:39	1
Acrolein	ND		20	10	ug/L			01/15/16 12:39	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 12:39	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 12:39	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 12:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 12:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 12:39	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 12:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 12:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 12:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 12:39	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 12:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 12:39	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 12:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 12:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 12:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 12:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 12:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 12:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 12:39	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 12:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 12:39	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 12:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 12:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 12:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 12:39	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 12:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 12:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 12:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 12:39	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 12:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 12:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 12:39	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011316-8260-B

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 12:39	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 12:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 12:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 12:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 12:39	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 12:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 12:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 12:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 12:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 12:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 12:39	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 12:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 12:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 12:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 12:39	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 12:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 12:39	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/15/16 12:39*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/15/16 12:39*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/15/16 12:39*	*1*

Client Sample ID: TB-ROX-011316-8260-UN-B

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 13:04	1
Acrolein	ND		20	10	ug/L			01/15/16 13:04	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 13:04	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 13:04	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 13:04	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 13:04	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 13:04	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 13:04	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 13:04	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 13:04	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 13:04	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 13:04	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 13:04	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 13:04	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 13:04	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 13:04	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 13:04	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 13:04	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 13:04	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 13:04	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 13:04	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 13:04	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 13:04	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 13:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 13:04	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 13:04	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 13:04	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 13:04	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 13:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 13:04	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 13:04	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 13:04	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 13:04	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 13:04	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011316-8260-UN-B
Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 13:04	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 13:04	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 13:04	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 13:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 13:04	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 13:04	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 13:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 13:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 13:04	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 13:04	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 13:04	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 13:04	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 13:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 13:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 13:04	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 13:04	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 13:04	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/15/16 13:04*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/15/16 13:04*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/15/16 13:04*	*1*

Client Sample ID: P58-ROX-011316

Date Collected: 01/13/16 10:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			01/17/16 11:25	2000
Acrolein	ND		40000	20000	ug/L			01/17/16 11:25	2000
Acrylonitrile	ND		20000	5600	ug/L			01/17/16 11:25	2000
Benzene	510000		2000	760	ug/L			01/17/16 11:25	2000
Bromobenzene	ND		2000	1100	ug/L			01/17/16 11:25	2000
Bromochloromethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
Bromodichloromethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
Bromoform	ND		10000	1400	ug/L			01/17/16 11:25	2000
Bromomethane	ND		2000	2000	ug/L			01/17/16 11:25	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			01/17/16 11:25	2000
Carbon disulfide	ND		2000	1000	ug/L			01/17/16 11:25	2000
Carbon tetrachloride	ND		2000	1000	ug/L			01/17/16 11:25	2000
Chlorobenzene	ND		2000	1000	ug/L			01/17/16 11:25	2000
Dibromochloromethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
Chloroethane	ND		2000	1500	ug/L			01/17/16 11:25	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			01/17/16 11:25	2000
Chloroform	ND		2000	1200	ug/L			01/17/16 11:25	2000
1-Chlorohexane	ND		2000	1400	ug/L			01/17/16 11:25	2000
Chloromethane	ND		2000	1700	ug/L			01/17/16 11:25	2000
cis-1,2-Dichloroethene	ND		2000	1000	ug/L			01/17/16 11:25	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			01/17/16 11:25	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			01/17/16 11:25	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			01/17/16 11:25	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			01/17/16 11:25	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,2-Dichloroethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			01/17/16 11:25	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,1-Dichloropropene	ND		2000	1000	ug/L			01/17/16 11:25	2000
Ethylbenzene	ND		2000	1000	ug/L			01/17/16 11:25	2000
Ethyl methacrylate	ND		2000	1200	ug/L			01/17/16 11:25	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			01/17/16 11:25	2000
2-Hexanone	ND		50000	6200	ug/L			01/17/16 11:25	2000
Isopropylbenzene	ND		2000	1100	ug/L			01/17/16 11:25	2000
Methylene bromide	ND		10000	1200	ug/L			01/17/16 11:25	2000
Methylene Chloride	ND		10000	6000	ug/L			01/17/16 11:25	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			01/17/16 11:25	2000
Methyl tert-butyl ether	ND		2000	1500	ug/L			01/17/16 11:25	2000
m-Xylene & p-Xylene	ND		10000	3200	ug/L			01/17/16 11:25	2000
Naphthalene	ND		2000	2000	ug/L			01/17/16 11:25	2000
n-Butylbenzene	ND		2000	1500	ug/L			01/17/16 11:25	2000
N-Propylbenzene	ND		2000	1400	ug/L			01/17/16 11:25	2000
o-Chlorotoluene	ND		2000	1100	ug/L			01/17/16 11:25	2000
o-Xylene	ND		10000	1200	ug/L			01/17/16 11:25	2000
p-Chlorotoluene	ND		2000	1100	ug/L			01/17/16 11:25	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			01/17/16 11:25	2000

Client Sample ID: P58-ROX-011316

Date Collected: 01/13/16 10:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2000	1400	ug/L			01/17/16 11:25	2000
Styrene	ND		2000	2000	ug/L			01/17/16 11:25	2000
tert-Butylbenzene	ND		2000	1300	ug/L			01/17/16 11:25	2000
1,1,1,2-Tetrachloroethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
Tetrachloroethene	ND		2000	1200	ug/L			01/17/16 11:25	2000
Toluene	ND		2000	1400	ug/L			01/17/16 11:25	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			01/17/16 11:25	2000
trans-1,3-Dichloropropene	ND		10000	1000	ug/L			01/17/16 11:25	2000
1,2,3-Trichlorobenzene	ND		2000	1400	ug/L			01/17/16 11:25	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			01/17/16 11:25	2000
1,1,1-Trichloroethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,1,2-Trichloroethane	ND		10000	1000	ug/L			01/17/16 11:25	2000
Trichloroethene	ND		2000	1000	ug/L			01/17/16 11:25	2000
Trichlorofluoromethane	ND		2000	1000	ug/L			01/17/16 11:25	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			01/17/16 11:25	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			01/17/16 11:25	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			01/17/16 11:25	2000
Vinyl acetate	ND		50000	4000	ug/L			01/17/16 11:25	2000
Vinyl chloride	ND		2000	1000	ug/L			01/17/16 11:25	2000
Xylenes, Total	ND		10000	1200	ug/L			01/17/16 11:25	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*78 - 118*		*01/17/16 11:25*	*2000*
Dibromofluoromethane	*97*		*81 - 121*		*01/17/16 11:25*	*2000*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/17/16 11:25*	*2000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.69		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:56	1
Acenaphthylene	0.22		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:56	1
Anthracene	0.067	J	0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:56	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Fluoranthene	0.063	J	0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:56	1
Fluorene	1.2		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 22:56	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 22:56	1
Phenanthrene	0.87		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:56	1
Pyrene	0.17	J	0.20	0.020	ug/L		01/15/16 09:58	01/20/16 22:56	1
1-Methylnaphthalene	62		2.0	0.20	ug/L		01/15/16 09:58	01/21/16 22:24	10
2-Methylnaphthalene	83		2.0	0.20	ug/L		01/15/16 09:58	01/21/16 22:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*30*	*X*	*33 - 138*	*01/15/16 09:58*	*01/20/16 22:56*	*1*
2-Fluorobiphenyl	*71*		*15 - 122*	*01/15/16 09:58*	*01/20/16 22:56*	*1*

Client Sample ID: P58-ROX-011316

Date Collected: 01/13/16 10:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-10

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		19 - 130	01/15/16 09:58	01/20/16 22:56	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 21:48	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 21:48	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 21:48	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 21:48	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 21:48	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 21:48	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 21:48	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 21:48	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 21:48	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 21:48	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 21:48	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 21:48	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 21:48	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 21:48	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 21:48	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 21:48	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:48	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 21:48	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 21:48	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 21:48	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 21:48	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 21:48	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 21:48	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 21:48	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 21:48	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 21:48	1
Indene	2.5	J	10	1.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 21:48	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 21:48	1
3 & 4 Methylphenol	15	J	20	1.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 21:48	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 21:48	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 21:48	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 21:48	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 21:48	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 21:48	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:48	1

Client Sample ID: P58-ROX-011316

Date Collected: 01/13/16 10:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 21:48	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 21:48	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 21:48	1
Phenol	68		10	2.6	ug/L		01/15/16 09:58	01/18/16 21:48	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 21:48	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 21:48	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 21:48	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*34 - 120*	*01/15/16 09:58*	*01/18/16 21:48*	*1*
2-Fluorophenol	*57*		*10 - 120*	*01/15/16 09:58*	*01/18/16 21:48*	*1*
Nitrobenzene-d5	*74*		*27 - 120*	*01/15/16 09:58*	*01/18/16 21:48*	*1*
Phenol-d5	*59*		*10 - 120*	*01/15/16 09:58*	*01/18/16 21:48*	*1*
Terphenyl-d14	*33*	*X*	*53 - 125*	*01/15/16 09:58*	*01/18/16 21:48*	*1*
2,4,6-Tribromophenol	*92*		*15 - 135*	*01/15/16 09:58*	*01/18/16 21:48*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/18/16 12:01	01/18/16 21:19	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/18/16 12:01	01/18/16 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*51 - 149*	*01/18/16 12:01*	*01/18/16 21:19*	*1*

Client Sample ID: P93D-ROX-011316

Date Collected: 01/13/16 11:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2500	1000	ug/L			01/17/16 10:37	100
Acrolein	ND		2000	1000	ug/L			01/17/16 10:37	100
Acrylonitrile	ND		1000	280	ug/L			01/17/16 10:37	100
Benzene	14000		100	38	ug/L			01/17/16 10:37	100
Bromobenzene	ND		100	54	ug/L			01/17/16 10:37	100
Bromochloromethane	ND		100	52	ug/L			01/17/16 10:37	100
Bromodichloromethane	ND		100	50	ug/L			01/17/16 10:37	100
Bromoform	ND		500	71	ug/L			01/17/16 10:37	100
Bromomethane	ND		100	98	ug/L			01/17/16 10:37	100
2-Butanone (MEK)	ND		2500	260	ug/L			01/17/16 10:37	100
Carbon disulfide	ND		100	50	ug/L			01/17/16 10:37	100
Carbon tetrachloride	ND		100	50	ug/L			01/17/16 10:37	100
Chlorobenzene	ND		100	50	ug/L			01/17/16 10:37	100
Dibromochloromethane	ND		100	50	ug/L			01/17/16 10:37	100
Chloroethane	ND		100	76	ug/L			01/17/16 10:37	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			01/17/16 10:37	100
Chloroform	ND		100	60	ug/L			01/17/16 10:37	100
1-Chlorohexane	ND		100	70	ug/L			01/17/16 10:37	100
Chloromethane	ND		100	83	ug/L			01/17/16 10:37	100
cis-1,2-Dichloroethene	ND		100	50	ug/L			01/17/16 10:37	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			01/17/16 10:37	100
1,2-Dichlorobenzene	ND		100	50	ug/L			01/17/16 10:37	100
1,3-Dichlorobenzene	ND		100	54	ug/L			01/17/16 10:37	100
1,4-Dichlorobenzene	ND		100	64	ug/L			01/17/16 10:37	100
Dichlorodifluoromethane	ND		100	85	ug/L			01/17/16 10:37	100
1,1-Dichloroethane	ND		100	50	ug/L			01/17/16 10:37	100
1,2-Dichloroethane	ND		100	50	ug/L			01/17/16 10:37	100
1,1-Dichloroethene	ND		100	50	ug/L			01/17/16 10:37	100
1,2-Dichloropropane	ND		100	50	ug/L			01/17/16 10:37	100
1,3-Dichloropropane	ND		100	50	ug/L			01/17/16 10:37	100
2,2-Dichloropropane	ND		100	50	ug/L			01/17/16 10:37	100
1,1-Dichloropropene	ND		100	50	ug/L			01/17/16 10:37	100
Ethylbenzene	ND		100	50	ug/L			01/17/16 10:37	100
Ethyl methacrylate	ND		100	60	ug/L			01/17/16 10:37	100
Hexachlorobutadiene	ND		500	90	ug/L			01/17/16 10:37	100
2-Hexanone	ND		2500	310	ug/L			01/17/16 10:37	100
Isopropylbenzene	ND		100	53	ug/L			01/17/16 10:37	100
Methylene bromide	ND		500	59	ug/L			01/17/16 10:37	100
Methylene Chloride	ND		500	300	ug/L			01/17/16 10:37	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			01/17/16 10:37	100
Methyl tert-butyl ether	ND		100	74	ug/L			01/17/16 10:37	100
m-Xylene & p-Xylene	ND		500	160	ug/L			01/17/16 10:37	100
Naphthalene	ND		100	100	ug/L			01/17/16 10:37	100
n-Butylbenzene	ND		100	76	ug/L			01/17/16 10:37	100
N-Propylbenzene	ND		100	69	ug/L			01/17/16 10:37	100
o-Chlorotoluene	ND		100	57	ug/L			01/17/16 10:37	100
o-Xylene	ND		500	60	ug/L			01/17/16 10:37	100
p-Chlorotoluene	ND		100	56	ug/L			01/17/16 10:37	100
p-Isopropyltoluene	ND		100	71	ug/L			01/17/16 10:37	100

Client Sample ID: P93D-ROX-011316

Date Collected: 01/13/16 11:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		100	70	ug/L			01/17/16 10:37	100
Styrene	ND		100	100	ug/L			01/17/16 10:37	100
tert-Butylbenzene	ND		100	63	ug/L			01/17/16 10:37	100
1,1,1,2-Tetrachloroethane	ND		100	52	ug/L			01/17/16 10:37	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			01/17/16 10:37	100
Tetrachloroethene	ND		100	58	ug/L			01/17/16 10:37	100
Toluene	ND		100	70	ug/L			01/17/16 10:37	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			01/17/16 10:37	100
trans-1,3-Dichloropropene	ND		500	50	ug/L			01/17/16 10:37	100
1,2,3-Trichlorobenzene	ND		100	70	ug/L			01/17/16 10:37	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			01/17/16 10:37	100
1,1,1-Trichloroethane	ND		100	50	ug/L			01/17/16 10:37	100
1,1,2-Trichloroethane	ND		500	50	ug/L			01/17/16 10:37	100
Trichloroethene	ND		100	50	ug/L			01/17/16 10:37	100
Trichlorofluoromethane	ND		100	52	ug/L			01/17/16 10:37	100
1,2,3-Trichloropropane	ND		500	84	ug/L			01/17/16 10:37	100
1,2,4-Trimethylbenzene	ND		100	82	ug/L			01/17/16 10:37	100
1,3,5-Trimethylbenzene	ND		100	56	ug/L			01/17/16 10:37	100
Vinyl acetate	ND		2500	200	ug/L			01/17/16 10:37	100
Vinyl chloride	ND		100	50	ug/L			01/17/16 10:37	100
Xylenes, Total	ND		500	60	ug/L			01/17/16 10:37	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*78 - 118*		*01/17/16 10:37*	*100*
Dibromofluoromethane	*96*		*81 - 121*		*01/17/16 10:37*	*100*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/17/16 10:37*	*100*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Benzo[g,h,i]perylene	ND	U5	0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 23:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 23:33	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*68*		*33 - 138*	*01/15/16 09:58*	*01/20/16 23:33*	*1*
2-Fluorobiphenyl	*85*		*15 - 122*	*01/15/16 09:58*	*01/20/16 23:33*	*1*

Client Sample ID: P93D-ROX-011316

Date Collected: 01/13/16 11:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-11

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		19 - 130	01/15/16 09:58	01/20/16 23:33	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 22:28	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 22:28	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 22:28	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 22:28	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 22:28	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 22:28	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 22:28	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 22:28	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 22:28	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 22:28	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 22:28	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 22:28	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 22:28	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 22:28	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 22:28	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 22:28	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:28	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 22:28	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 22:28	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 22:28	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 22:28	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 22:28	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 22:28	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 22:28	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 22:28	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 22:28	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 22:28	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 22:28	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 22:28	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 22:28	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 22:28	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 22:28	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 22:28	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 22:28	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:28	1

Client Sample ID: P93D-ROX-011316

Date Collected: 01/13/16 11:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-11

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 22:28	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 22:28	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 22:28	1
Phenol	63		10	2.6	ug/L		01/15/16 09:58	01/18/16 22:28	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 22:28	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 22:28	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 22:28	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*34 - 120*	*01/15/16 09:58*	*01/18/16 22:28*	*1*
2-Fluorophenol	*67*		*10 - 120*	*01/15/16 09:58*	*01/18/16 22:28*	*1*
Nitrobenzene-d5	*90*		*27 - 120*	*01/15/16 09:58*	*01/18/16 22:28*	*1*
Phenol-d5	*69*		*10 - 120*	*01/15/16 09:58*	*01/18/16 22:28*	*1*
Terphenyl-d14	*69*		*53 - 125*	*01/15/16 09:58*	*01/18/16 22:28*	*1*
2,4,6-Tribromophenol	*94*		*15 - 135*	*01/15/16 09:58*	*01/18/16 22:28*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.033	0.0060	ug/L		01/18/16 12:01	01/18/16 22:18	1
1,2-Dibromoethane	ND		0.022	0.0055	ug/L		01/18/16 12:01	01/18/16 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*51 - 149*	*01/18/16 12:01*	*01/18/16 22:18*	*1*

Client Sample ID: P93B-ROX-011316

Date Collected: 01/13/16 13:50
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			01/17/16 11:01	1000
Acrolein	ND		20000	10000	ug/L			01/17/16 11:01	1000
Acrylonitrile	ND		10000	2800	ug/L			01/17/16 11:01	1000
Benzene	280000		1000	380	ug/L			01/17/16 11:01	1000
Bromobenzene	ND		1000	540	ug/L			01/17/16 11:01	1000
Bromochloromethane	ND		1000	620	ug/L			01/17/16 11:01	1000
Bromodichloromethane	ND		1000	500	ug/L			01/17/16 11:01	1000
Bromoform	ND		5000	710	ug/L			01/17/16 11:01	1000
Bromomethane	ND		1000	980	ug/L			01/17/16 11:01	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			01/17/16 11:01	1000
Carbon disulfide	ND		1000	500	ug/L			01/17/16 11:01	1000
Carbon tetrachloride	ND		1000	500	ug/L			01/17/16 11:01	1000
Chlorobenzene	ND		1000	500	ug/L			01/17/16 11:01	1000
Dibromochloromethane	ND		1000	500	ug/L			01/17/16 11:01	1000
Chloroethane	ND		1000	760	ug/L			01/17/16 11:01	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			01/17/16 11:01	1000
Chloroform	ND		1000	600	ug/L			01/17/16 11:01	1000
1-Chlorohexane	ND		1000	700	ug/L			01/17/16 11:01	1000
Chloromethane	ND		1000	830	ug/L			01/17/16 11:01	1000
cis-1,2-Dichloroethene	ND		1000	500	ug/L			01/17/16 11:01	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			01/17/16 11:01	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			01/17/16 11:01	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			01/17/16 11:01	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			01/17/16 11:01	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			01/17/16 11:01	1000
1,1-Dichloroethane	ND		1000	500	ug/L			01/17/16 11:01	1000
1,2-Dichloroethane	ND		1000	500	ug/L			01/17/16 11:01	1000
1,1-Dichloroethene	ND		1000	500	ug/L			01/17/16 11:01	1000
1,2-Dichloropropane	ND		1000	500	ug/L			01/17/16 11:01	1000
1,3-Dichloropropane	ND		1000	500	ug/L			01/17/16 11:01	1000
2,2-Dichloropropane	ND		1000	500	ug/L			01/17/16 11:01	1000
1,1-Dichloropropene	ND		1000	500	ug/L			01/17/16 11:01	1000
Ethylbenzene	ND		1000	500	ug/L			01/17/16 11:01	1000
Ethyl methacrylate	ND		1000	600	ug/L			01/17/16 11:01	1000
Hexachlorobutadiene	ND		5000	900	ug/L			01/17/16 11:01	1000
2-Hexanone	ND		25000	3100	ug/L			01/17/16 11:01	1000
Isopropylbenzene	ND		1000	530	ug/L			01/17/16 11:01	1000
Methylene bromide	ND		5000	590	ug/L			01/17/16 11:01	1000
Methylene Chloride	ND		5000	3000	ug/L			01/17/16 11:01	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			01/17/16 11:01	1000
Methyl tert-butyl ether	ND		1000	740	ug/L			01/17/16 11:01	1000
m-Xylene & p-Xylene	ND		5000	1600	ug/L			01/17/16 11:01	1000
Naphthalene	ND		1000	1000	ug/L			01/17/16 11:01	1000
n-Butylbenzene	ND		1000	760	ug/L			01/17/16 11:01	1000
N-Propylbenzene	ND		1000	690	ug/L			01/17/16 11:01	1000
o-Chlorotoluene	ND		1000	570	ug/L			01/17/16 11:01	1000
o-Xylene	ND		5000	600	ug/L			01/17/16 11:01	1000
p-Chlorotoluene	ND		1000	560	ug/L			01/17/16 11:01	1000
p-Isopropyltoluene	ND		1000	710	ug/L			01/17/16 11:01	1000

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1000	700	ug/L			01/17/16 11:01	1000
Styrene	ND		1000	1000	ug/L			01/17/16 11:01	1000
tert-Butylbenzene	ND		1000	630	ug/L			01/17/16 11:01	1000
1,1,1,2-Tetrachloroethane	ND		1000	520	ug/L			01/17/16 11:01	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			01/17/16 11:01	1000
Tetrachloroethene	ND		1000	580	ug/L			01/17/16 11:01	1000
Toluene	ND		1000	700	ug/L			01/17/16 11:01	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			01/17/16 11:01	1000
trans-1,3-Dichloropropene	ND		5000	500	ug/L			01/17/16 11:01	1000
1,2,3-Trichlorobenzene	ND		1000	700	ug/L			01/17/16 11:01	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			01/17/16 11:01	1000
1,1,1-Trichloroethane	ND		1000	500	ug/L			01/17/16 11:01	1000
1,1,2-Trichloroethane	ND		5000	500	ug/L			01/17/16 11:01	1000
Trichloroethene	ND		1000	500	ug/L			01/17/16 11:01	1000
Trichlorofluoromethane	ND		1000	520	ug/L			01/17/16 11:01	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			01/17/16 11:01	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			01/17/16 11:01	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			01/17/16 11:01	1000
Vinyl acetate	ND		25000	2000	ug/L			01/17/16 11:01	1000
Vinyl chloride	ND		1000	500	ug/L			01/17/16 11:01	1000
Xylenes, Total	ND		5000	600	ug/L			01/17/16 11:01	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*78 - 118*		*01/17/16 11:01*	*1000*
Dibromofluoromethane	*98*		*81 - 121*		*01/17/16 11:01*	*1000*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/17/16 11:01*	*1000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 00:11	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:11	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*34*		*33 - 138*	*01/15/16 09:58*	*01/21/16 00:11*	*1*
2-Fluorobiphenyl	*73*		*15 - 122*	*01/15/16 09:58*	*01/21/16 00:11*	*1*

Client Sample ID: P93B-ROX-011316

Date Collected: 01/13/16 13:50
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-12

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		19 - 130	01/15/16 09:58	01/21/16 00:11	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 23:08	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 23:08	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 23:08	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 23:08	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 23:08	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 23:08	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 23:08	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 23:08	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 23:08	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 23:08	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 23:08	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 23:08	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 23:08	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 23:08	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 23:08	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 23:08	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 23:08	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 23:08	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 23:08	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 23:08	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 23:08	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 23:08	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 23:08	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 23:08	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 23:08	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 23:08	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 23:08	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 23:08	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 23:08	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 23:08	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 23:08	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 23:08	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 23:08	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 23:08	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 23:08	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P93B-ROX-011316
Date Collected: 01/13/16 13:50
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 23:08	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 23:08	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 23:08	1
Phenol	71		10	2.6	ug/L		01/15/16 09:58	01/18/16 23:08	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 23:08	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 23:08	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 23:08	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*34 - 120*	*01/15/16 09:58*	*01/18/16 23:08*	*1*
2-Fluorophenol	*40*		*10 - 120*	*01/15/16 09:58*	*01/18/16 23:08*	*1*
Nitrobenzene-d5	*50*		*27 - 120*	*01/15/16 09:58*	*01/18/16 23:08*	*1*
Phenol-d5	*36*		*10 - 120*	*01/15/16 09:58*	*01/18/16 23:08*	*1*
Terphenyl-d14	*30*	*X*	*53 - 125*	*01/15/16 09:58*	*01/18/16 23:08*	*1*
2,4,6-Tribromophenol	*49*		*15 - 135*	*01/15/16 09:58*	*01/18/16 23:08*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0052	ug/L		01/18/16 12:01	01/18/16 22:47	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/18/16 12:01	01/18/16 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*51 - 149*	*01/18/16 12:01*	*01/18/16 22:47*	*1*

Client Sample ID: MW4-ROX-011316

Date Collected: 01/13/16 15:15
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 09:24	1
Acrolein	ND		20	10	ug/L			01/17/16 09:24	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 09:24	1
Benzene	120		1.0	0.38	ug/L			01/17/16 09:24	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 09:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 09:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 09:24	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 09:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 09:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 09:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 09:24	1
Chloroform	ND		1.0	0.60	ug/L			01/17/16 09:24	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 09:24	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 09:24	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 09:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 09:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 09:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 09:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 09:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 09:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 09:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Ethylbenzene	0.66	J	1.0	0.50	ug/L			01/17/16 09:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 09:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 09:24	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 09:24	1
Isopropylbenzene	1.7		1.0	0.53	ug/L			01/17/16 09:24	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 09:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 09:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 09:24	1
Methyl tert-butyl ether	12		1.0	0.74	ug/L			01/17/16 09:24	1
m-Xylene & p-Xylene	4.7	J	5.0	1.6	ug/L			01/17/16 09:24	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 09:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 09:24	1
N-Propylbenzene	2.1		1.0	0.69	ug/L			01/17/16 09:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 09:24	1
o-Xylene	1.1	J	5.0	0.60	ug/L			01/17/16 09:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 09:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 09:24	1

Client Sample ID: MW4-ROX-011316

Date Collected: 01/13/16 15:15
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 09:24	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 09:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 09:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 09:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 09:24	1
Toluene	1.1		1.0	0.70	ug/L			01/17/16 09:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 09:24	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 09:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 09:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 09:24	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 09:24	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 09:24	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 09:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 09:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 09:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 09:24	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 09:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 09:24	1
Xylenes, Total	5.8		5.0	0.60	ug/L			01/17/16 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*78 - 118*		*01/17/16 09:24*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/17/16 09:24*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/17/16 09:24*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Benzo[g,h,i]perylene	ND	UJ	0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/21/16 00:48	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/21/16 00:48	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1
1-Methylnaphthalene	0.28		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1
2-Methylnaphthalene	0.20		0.20	0.020	ug/L		01/15/16 09:58	01/21/16 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*50*		*33 - 138*	*01/15/16 09:58*	*01/21/16 00:48*	*1*
2-Fluorobiphenyl	*75*		*15 - 122*	*01/15/16 09:58*	*01/21/16 00:48*	*1*

Client Sample ID: MW4-ROX-011316

Date Collected: 01/13/16 15:15
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-13

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		19 - 130	01/15/16 09:58	01/21/16 00:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 02:33	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/19/16 02:33	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/19/16 02:33	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 02:33	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/19/16 02:33	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/19/16 02:33	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/19/16 02:33	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/19/16 02:33	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/19/16 02:33	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/19/16 02:33	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/19/16 02:33	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 02:33	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 02:33	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/19/16 02:33	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/19/16 02:33	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/19/16 02:33	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 02:33	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/19/16 02:33	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/19/16 02:33	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/19/16 02:33	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 02:33	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/19/16 02:33	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/19/16 02:33	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/19/16 02:33	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/19/16 02:33	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/19/16 02:33	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/19/16 02:33	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 02:33	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/19/16 02:33	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/19/16 02:33	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/19/16 02:33	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/19/16 02:33	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/19/16 02:33	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/19/16 02:33	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 02:33	1

Client Sample ID: MW4-ROX-011316

Date Collected: 01/13/16 15:15
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-13

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/19/16 02:33	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/19/16 02:33	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/19/16 02:33	1
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/19/16 02:33	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/19/16 02:33	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/19/16 02:33	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/19/16 02:33	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/19/16 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*34 - 120*	*01/15/16 09:58*	*01/19/16 02:33*	*1*
2-Fluorophenol	*57*		*10 - 120*	*01/15/16 09:58*	*01/19/16 02:33*	*1*
Nitrobenzene-d5	*70*		*27 - 120*	*01/15/16 09:58*	*01/19/16 02:33*	*1*
Phenol-d5	*59*		*10 - 120*	*01/15/16 09:58*	*01/19/16 02:33*	*1*
Terphenyl-d14	*51*	*X*	*53 - 125*	*01/15/16 09:58*	*01/19/16 02:33*	*1*
2,4,6-Tribromophenol	*70*		*15 - 135*	*01/15/16 09:58*	*01/19/16 02:33*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/18/16 12:01	01/18/16 23:17	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		01/18/16 12:01	01/18/16 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*		*51 - 149*	*01/18/16 12:01*	*01/18/16 23:17*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011316-8011-A

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-14

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/18/16 12:01	01/18/16 23:47	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/18/16 12:01	01/18/16 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*01/18/16 12:01*	*01/18/16 23:47*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011316-8260-A

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 13:30	1
Acrolein	ND		20	10	ug/L			01/15/16 13:30	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 13:30	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 13:30	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 13:30	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 13:30	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 13:30	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 13:30	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 13:30	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 13:30	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 13:30	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 13:30	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 13:30	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 13:30	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 13:30	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 13:30	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 13:30	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 13:30	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 13:30	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 13:30	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 13:30	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 13:30	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 13:30	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 13:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 13:30	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 13:30	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 13:30	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 13:30	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 13:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 13:30	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 13:30	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 13:30	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 13:30	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 13:30	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 13:30	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 13:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 13:30	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 13:30	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 13:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 13:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 13:30	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 13:30	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 13:30	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 13:30	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 13:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 13:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 13:30	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 13:30	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 13:30	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/15/16 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*78 - 118*		*01/15/16 13:30*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/15/16 13:30*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/15/16 13:30*	*1*

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116254-A-2 MS	Matrix Spike	112	100	94
400-116254-A-2 MSD	Matrix Spike Duplicate	113	99	94
400-116310-1	MW24-ROX-011316	110	97	93
400-116310-2	MW24-ROX-011316-UN	112	97	94
400-116310-3	MW9-ROX-011316	110	99	93
400-116310-4	MW9-ROX-011316-UN	110	102	94
400-116310-4	MW9-ROX-011316-UN	113	98	94
400-116310-5	MW27-ROX-011316	111	100	92
400-116310-6	MW10-ROX-011316	110	100	92
400-116310-6MS	MW10-ROX-011316	111	102	96
400-116310-6MSD	MW10-ROX-011316	113	103	95
400-116310-8	TB-ROX-011316-8260-B	112	99	94
400-116310-9	TB-ROX-011316-8260-UN-B	112	99	95
400-116310-10	P58-ROX-011316	111	97	95
400-116310-11	P93D-ROX-011316	113	96	94
400-116310-12	P93B-ROX-011316	109	98	94
400-116310-13	MW4-ROX-011316	113	97	94
400-116310-15	TB-ROX-011316-8260-A	111	98	96
LCS 400-290579/1006	Lab Control Sample	113	103	96
LCS 400-290736/1002	Lab Control Sample	114	102	95
MB 400-290579/4	Method Blank	111	100	96
MB 400-290736/4	Method Blank	112	98	95

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116310-1	MW24-ROX-011316	88	53	82	53	45 X	52
400-116310-3	MW9-ROX-011316	83	56	76	64	68	69
400-116310-5	MW27-ROX-011316	87	68	84	71	77	78
400-116310-6	MW10-ROX-011316	91	65	84	63	80	78
400-116310-6MS	MW10-ROX-011316	88	51	78	45	77	88
400-116310-6MSD	MW10-ROX-011316	92	67	86	67	90	100
400-116310-10	P58-ROX-011316	81	57	74	59	33 X	92
400-116310-11	P93D-ROX-011316	89	67	90	69	69	94
400-116310-12	P93B-ROX-011316	65	40	60	36	30 X	49
400-116310-13	MW4-ROX-011316	79	57	70	59	51 X	70
LCS 400-290632/2-A	Lab Control Sample	88	75	84	82	88	84
LCS 400-290632/3-A	Lab Control Sample	90	68	92	65	96	73
LCSD 400-290632/4-A	Lab Control Sample Dup	87	66	89	72	93	70
MB 400-290632/1-A	Method Blank	80	61	85	64	86	53

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116310-1	MW24-ROX-011316	48	84	83
400-116310-3	MW9-ROX-011316	72	80	76
400-116310-5	MW27-ROX-011316	84	84	85
400-116310-6	MW10-ROX-011316	87	90	86
400-116310-6MS	MW10-ROX-011316	71	80	84
400-116310-6MSD	MW10-ROX-011316	84	83	87
400-116310-10	P58-ROX-011316	30 X	71	64
400-116310-11	P93D-ROX-011316	68	85	82
400-116310-12	P93B-ROX-011316	34	73	53
400-116310-13	MW4-ROX-011316	50	75	64
LCS 400-290632/2-A	Lab Control Sample	84	81	81
MB 400-290632/1-A	Method Blank	98	81	80

Surrogate Legend
TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-116310-1	MW24-ROX-011316	90
400-116310-3	MW9-ROX-011316	91
400-116310-5	MW27-ROX-011316	88
400-116310-6	MW10-ROX-011316	85
400-116310-6MS	MW10-ROX-011316	96
400-116310-6MSD	MW10-ROX-011316	95
400-116310-7	TB-ROX-011316-8011-B	84
400-116310-10	P58-ROX-011316	103
400-116310-11	P93D-ROX-011316	87
400-116310-12	P93B-ROX-011316	107
400-116310-13	MW4-ROX-011316	117
400-116310-14	TB-ROX-011316-8011-A	90
LCS 400-290815/2-A	Lab Control Sample	102
MB 400-290815/1-A	Method Blank	94

Surrogate Legend
BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

9

Client Sample ID: MW24-ROX-011316

Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 14:25	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 17:49	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291037	01/20/16 17:44	CEP	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	34.7 mL	35 mL	290930	01/18/16 17:52	AM	TAL PEN

Client Sample ID: MW24-ROX-011316-UN

Date Collected: 01/13/16 09:25
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 14:51	WPD	TAL PEN

Client Sample ID: MW9-ROX-011316

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 15:17	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 18:29	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291037	01/20/16 18:21	CEP	TAL PEN
Total/NA	Prep	8011			33.4 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	33.4 mL	35 mL	290930	01/18/16 18:22	AM	TAL PEN

Client Sample ID: MW9-ROX-011316-UN

Date Collected: 01/13/16 10:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 16:56	CLN	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 15:43	WPD	TAL PEN

Client Sample ID: MW27-ROX-011316

Date Collected: 01/13/16 12:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 16:08	WPD	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW27-ROX-011316

Date Collected: 01/13/16 12:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 19:09	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291037	01/20/16 18:58	CEP	TAL PEN
Total/NA	Prep	8011			33.4 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	33.4 mL	35 mL	290930	01/18/16 18:51	AM	TAL PEN

Client Sample ID: MW10-ROX-011316

Date Collected: 01/13/16 14:45
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 16:34	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 19:49	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/20/16 22:19	AJR	TAL PEN
Total/NA	Prep	8011			32.7 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	32.7 mL	35 mL	290930	01/18/16 19:21	AM	TAL PEN

Client Sample ID: TB-ROX-011316-8011-B

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.1 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	34.1 mL	35 mL	290930	01/18/16 20:49	AM	TAL PEN

Client Sample ID: TB-ROX-011316-8260-B

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 12:39	CLN	TAL PEN

Client Sample ID: TB-ROX-011316-8260-UN-B

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 13:04	CLN	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: P58-ROX-011316

Date Collected: 01/13/16 10:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2000	5 mL	5 mL	290736	01/17/16 11:25	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 21:48	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/20/16 22:56	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		10	1000 mL	1 mL	291253	01/21/16 22:24	LWL	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	35.6 mL	35 mL	290930	01/18/16 21:19	AM	TAL PEN

Client Sample ID: P93D-ROX-011316

Date Collected: 01/13/16 11:20
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	5 mL	5 mL	290736	01/17/16 10:37	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 22:28	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/20/16 23:33	AJR	TAL PEN
Total/NA	Prep	8011			32.1 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	32.1 mL	35 mL	290930	01/18/16 22:18	AM	TAL PEN

Client Sample ID: P93B-ROX-011316

Date Collected: 01/13/16 13:50
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1000	5 mL	5 mL	290736	01/17/16 11:01	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 23:08	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/21/16 00:11	AJR	TAL PEN
Total/NA	Prep	8011			36.7 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	36.7 mL	35 mL	290930	01/18/16 22:47	AM	TAL PEN

Client Sample ID: MW4-ROX-011316

Date Collected: 01/13/16 15:15
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 09:24	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW4-ROX-011316

Date Collected: 01/13/16 15:15
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/19/16 02:33	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291156	01/21/16 00:48	AJR	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	35.9 mL	35 mL	290930	01/18/16 23:17	AM	TAL PEN

Client Sample ID: TB-ROX-011316-8011-A

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.5 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	34.5 mL	35 mL	290930	01/18/16 23:47	AM	TAL PEN

Client Sample ID: TB-ROX-011316-8260-A

Date Collected: 01/13/16 00:00
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 13:30	CLN	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290579/1006

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 09:57	CLN	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290632/2-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 18:38	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291037	01/20/16 17:07	CEP	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290632/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 19:15	AJR	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290736/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 08:11	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-290815/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290930	01/18/16 17:23	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-290632/4-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 19:51	AJR	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290579/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 10:56	CLN	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290632/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290700	01/18/16 18:02	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291037	01/20/16 16:29	CEP	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290736/4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290736	01/17/16 08:59	WPD	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-290815/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	290930	01/18/16 16:53	AM	TAL PEN

Client Sample ID: MW10-ROX-011316

Date Collected: 01/13/16 14:45
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-6MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 13:56	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 20:29	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291156	01/20/16 21:05	AJR	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	35.6 mL	35 mL	290930	01/18/16 19:51	AM	TAL PEN

Client Sample ID: MW10-ROX-011316

Date Collected: 01/13/16 14:45
Date Received: 01/14/16 10:18

Lab Sample ID: 400-116310-6MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	290579	01/15/16 14:22	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	290769	01/18/16 21:09	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	290632	01/15/16 09:58	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291156	01/20/16 21:42	AJR	TAL PEN
Total/NA	Prep	8011			36.8 mL	35 mL	290815	01/18/16 12:01	AM	TAL PEN
Total/NA	Analysis	8011		1	36.8 mL	35 mL	290930	01/18/16 20:20	AM	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 290579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-4	MW9-ROX-011316-UN	Total/NA	Water	8260B	
400-116310-6MS	MW10-ROX-011316	Total/NA	Water	8260B	
400-116310-6MSD	MW10-ROX-011316	Total/NA	Water	8260B	
400-116310-8	TB-ROX-011316-8260-B	Total/NA	Water	8260B	
400-116310-9	TB-ROX-011316-8260-UN-B	Total/NA	Water	8260B	
400-116310-15	TB-ROX-011316-8260-A	Total/NA	Water	8260B	
LCS 400-290579/1006	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290579/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 290736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-1	MW24-ROX-011316	Total/NA	Water	8260B	
400-116310-2	MW24-ROX-011316-UN	Total/NA	Water	8260B	
400-116310-3	MW9-ROX-011316	Total/NA	Water	8260B	
400-116310-4	MW9-ROX-011316-UN	Total/NA	Water	8260B	
400-116310-5	MW27-ROX-011316	Total/NA	Water	8260B	
400-116310-6	MW10-ROX-011316	Total/NA	Water	8260B	
400-116310-10	P58-ROX-011316	Total/NA	Water	8260B	
400-116310-11	P93D-ROX-011316	Total/NA	Water	8260B	
400-116310-12	P93B-ROX-011316	Total/NA	Water	8260B	
400-116310-13	MW4-ROX-011316	Total/NA	Water	8260B	
LCS 400-290736/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-290736/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 290632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-1	MW24-ROX-011316	Total/NA	Water	3520C	
400-116310-3	MW9-ROX-011316	Total/NA	Water	3520C	
400-116310-5	MW27-ROX-011316	Total/NA	Water	3520C	
400-116310-6	MW10-ROX-011316	Total/NA	Water	3520C	
400-116310-6MS	MW10-ROX-011316	Total/NA	Water	3520C	
400-116310-6MSD	MW10-ROX-011316	Total/NA	Water	3520C	
400-116310-10	P58-ROX-011316	Total/NA	Water	3520C	
400-116310-11	P93D-ROX-011316	Total/NA	Water	3520C	
400-116310-12	P93B-ROX-011316	Total/NA	Water	3520C	
400-116310-13	MW4-ROX-011316	Total/NA	Water	3520C	
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-290632/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-290632/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-290632/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 290700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-13	MW4-ROX-011316	Total/NA	Water	8270D	290632
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	8270D	290632
LCS 400-290632/3-A	Lab Control Sample	Total/NA	Water	8270D	290632
LCSD 400-290632/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	290632
MB 400-290632/1-A	Method Blank	Total/NA	Water	8270D	290632

GC/MS Semi VOA (Continued)

Analysis Batch: 290769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-1	MW24-ROX-011316	Total/NA	Water	8270D	290632
400-116310-3	MW9-ROX-011316	Total/NA	Water	8270D	290632
400-116310-5	MW27-ROX-011316	Total/NA	Water	8270D	290632
400-116310-6	MW10-ROX-011316	Total/NA	Water	8270D	290632
400-116310-6MS	MW10-ROX-011316	Total/NA	Water	8270D	290632
400-116310-6MSD	MW10-ROX-011316	Total/NA	Water	8270D	290632
400-116310-10	P58-ROX-011316	Total/NA	Water	8270D	290632
400-116310-11	P93D-ROX-011316	Total/NA	Water	8270D	290632
400-116310-12	P93B-ROX-011316	Total/NA	Water	8270D	290632

Analysis Batch: 291037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-1	MW24-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-3	MW9-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-5	MW27-ROX-011316	Total/NA	Water	8270D LL	290632
LCS 400-290632/2-A	Lab Control Sample	Total/NA	Water	8270D LL	290632
MB 400-290632/1-A	Method Blank	Total/NA	Water	8270D LL	290632

Analysis Batch: 291156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-6	MW10-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-6MS	MW10-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-6MSD	MW10-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-10	P58-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-11	P93D-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-12	P93B-ROX-011316	Total/NA	Water	8270D LL	290632
400-116310-13	MW4-ROX-011316	Total/NA	Water	8270D LL	290632

Analysis Batch: 291253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-10	P58-ROX-011316	Total/NA	Water	8270D LL	290632

GC Semi VOA

Prep Batch: 290815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-1	MW24-ROX-011316	Total/NA	Water	8011	
400-116310-3	MW9-ROX-011316	Total/NA	Water	8011	
400-116310-5	MW27-ROX-011316	Total/NA	Water	8011	
400-116310-6	MW10-ROX-011316	Total/NA	Water	8011	
400-116310-6MS	MW10-ROX-011316	Total/NA	Water	8011	
400-116310-6MSD	MW10-ROX-011316	Total/NA	Water	8011	
400-116310-7	TB-ROX-011316-8011-B	Total/NA	Water	8011	
400-116310-10	P58-ROX-011316	Total/NA	Water	8011	
400-116310-11	P93D-ROX-011316	Total/NA	Water	8011	
400-116310-12	P93B-ROX-011316	Total/NA	Water	8011	
400-116310-13	MW4-ROX-011316	Total/NA	Water	8011	
400-116310-14	TB-ROX-011316-8011-A	Total/NA	Water	8011	
LCS 400-290815/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 400-290815/1-A	Method Blank	Total/NA	Water	8011	

GC Semi VOA (Continued)

Analysis Batch: 290930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116310-1	MW24-ROX-011316	Total/NA	Water	8011	290815
400-116310-3	MW9-ROX-011316	Total/NA	Water	8011	290815
400-116310-5	MW27-ROX-011316	Total/NA	Water	8011	290815
400-116310-6	MW10-ROX-011316	Total/NA	Water	8011	290815
400-116310-6MS	MW10-ROX-011316	Total/NA	Water	8011	290815
400-116310-6MSD	MW10-ROX-011316	Total/NA	Water	8011	290815
400-116310-7	TB-ROX-011316-8011-B	Total/NA	Water	8011	290815
400-116310-10	P58-ROX-011316	Total/NA	Water	8011	290815
400-116310-11	P93D-ROX-011316	Total/NA	Water	8011	290815
400-116310-12	P93B-ROX-011316	Total/NA	Water	8011	290815
400-116310-13	MW4-ROX-011316	Total/NA	Water	8011	290815
400-116310-14	TB-ROX-011316-8011-A	Total/NA	Water	8011	290815
LCS 400-290815/2-A	Lab Control Sample	Total/NA	Water	8011	290815
MB 400-290815/1-A	Method Blank	Total/NA	Water	8011	290815

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

Lab Sample ID: MB 400-290579/4
Matrix: Water
Analysis Batch: 290579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/16 10:56	1
Acrolein	ND		20	10	ug/L			01/15/16 10:56	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/16 10:56	1
Benzene	ND		1.0	0.38	ug/L			01/15/16 10:56	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/16 10:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/16 10:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Bromoform	ND		5.0	0.71	ug/L			01/15/16 10:56	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/16 10:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/16 10:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/16 10:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/16 10:56	1
Chloroform	ND		1.0	0.60	ug/L			01/15/16 10:56	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/16 10:56	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/16 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 10:56	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/16 10:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/16 10:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/16 10:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/16 10:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/16 10:56	1
2-Hexanone	ND		25	3.1	ug/L			01/15/16 10:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/16 10:56	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/16 10:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/16 10:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/16 10:56	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/16 10:56	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/16 10:56	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/16 10:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/16 10:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/16 10:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/16 10:56	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/16 10:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/16 10:56	1

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

Lab Sample ID: MB 400-290579/4
Matrix: Water
Analysis Batch: 290579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/16 10:56	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/16 10:56	1
Styrene	ND		1.0	1.0	ug/L			01/15/16 10:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/16 10:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/16 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/16 10:56	1
Toluene	ND		1.0	0.70	ug/L			01/15/16 10:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/16 10:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/16 10:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/16 10:56	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/16 10:56	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/16 10:56	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/16 10:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/16 10:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/16 10:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/16 10:56	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/16 10:56	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/16 10:56	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/16 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*		*78 - 118*		*01/15/16 10:56*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/15/16 10:56*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/15/16 10:56*	*1*

Lab Sample ID: LCS 400-290579/1006
Matrix: Water
Analysis Batch: 290579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	255		ug/L		127	43 - 160
Acrolein	500	598		ug/L		120	38 - 160
Acrylonitrile	500	592		ug/L		118	64 - 142
Benzene	50.0	53.8		ug/L		108	70 - 130
Bromobenzene	50.0	48.8		ug/L		98	70 - 132
Bromochloromethane	50.0	50.6		ug/L		101	70 - 130
Bromodichloromethane	50.0	59.0		ug/L		118	67 - 133
Bromoform	50.0	49.9		ug/L		100	57 - 140
Bromomethane	50.0	41.3		ug/L		83	10 - 160
2-Butanone (MEK)	200	216		ug/L		108	61 - 145
Carbon disulfide	50.0	58.1		ug/L		116	61 - 137
Carbon tetrachloride	50.0	57.9		ug/L		116	61 - 137
Chlorobenzene	50.0	48.5		ug/L		97	70 - 130
Chloroethane	50.0	46.3		ug/L		93	55 - 141
2-Chloroethyl vinyl ether	50.0	56.4		ug/L		113	10 - 160

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

Lab Sample ID: LCS 400-290579/1006
Matrix: Water
Analysis Batch: 290579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	54.5		ug/L		109	69 - 130
1-Chlorohexane	50.0	58.6		ug/L		117	69 - 130
Chloromethane	50.0	57.5		ug/L		115	58 - 137
cis-1,2-Dichloroethene	50.0	59.8		ug/L		120	68 - 130
cis-1,3-Dichloropropene	50.0	60.6		ug/L		121	69 - 132
Dibromochloromethane	50.0	51.7		ug/L		103	67 - 135
1,2-Dichlorobenzene	50.0	48.0		ug/L		96	67 - 130
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	50.0		ug/L		100	41 - 146
1,1-Dichloroethane	50.0	58.3		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	59.5		ug/L		119	69 - 130
1,1-Dichloroethene	50.0	54.6		ug/L		109	63 - 134
1,2-Dichloropropane	50.0	54.7		ug/L		109	70 - 130
1,3-Dichloropropane	50.0	52.2		ug/L		104	70 - 130
2,2-Dichloropropane	50.0	63.5		ug/L		127	52 - 135
1,1-Dichloropropene	50.0	56.5		ug/L		113	70 - 130
Ethylbenzene	50.0	51.0		ug/L		102	70 - 130
Ethyl methacrylate	50.0	51.3		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	62.9		ug/L		126	53 - 140
2-Hexanone	200	230		ug/L		115	65 - 137
Isopropylbenzene	50.0	51.1		ug/L		102	70 - 130
Methylene bromide	50.0	55.3		ug/L		111	70 - 130
Methylene Chloride	50.0	54.0		ug/L		108	66 - 135
4-Methyl-2-pentanone (MIBK)	200	246		ug/L		123	69 - 138
Methyl tert-butyl ether	50.0	58.7		ug/L		117	66 - 130
m-Xylene & p-Xylene	50.0	52.7		ug/L		105	70 - 130
Naphthalene	50.0	53.8		ug/L		108	47 - 149
n-Butylbenzene	50.0	52.7		ug/L		105	67 - 130
N-Propylbenzene	50.0	53.1		ug/L		106	70 - 130
o-Chlorotoluene	50.0	51.7		ug/L		103	70 - 130
o-Xylene	50.0	51.5		ug/L		103	70 - 130
p-Chlorotoluene	50.0	53.2		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	53.0		ug/L		106	65 - 130
sec-Butylbenzene	50.0	52.3		ug/L		105	66 - 130
Styrene	50.0	51.0		ug/L		102	70 - 130
tert-Butylbenzene	50.0	51.2		ug/L		102	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	67 - 131
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 131
Tetrachloroethene	50.0	44.5		ug/L		89	65 - 130
Toluene	50.0	48.8		ug/L		98	70 - 130
trans-1,2-Dichloroethene	50.0	53.7		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	53.3		ug/L		107	63 - 130
1,2,3-Trichlorobenzene	50.0	54.8		ug/L		110	60 - 138
1,2,4-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 140
1,1,1-Trichloroethane	50.0	58.9		ug/L		118	68 - 130
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130
Trichloroethene	50.0	51.3		ug/L		103	70 - 130

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

Lab Sample ID: LCS 400-290579/1006
Matrix: Water
Analysis Batch: 290579

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	50.0	45.1		ug/L		90	65 - 138
1,2,3-Trichloropropane	50.0	50.0		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	53.0		ug/L		106	69 - 130
Vinyl acetate	100	118		ug/L		118	26 - 160
Vinyl chloride	50.0	50.0		ug/L		100	59 - 136
Xylenes, Total	100	104		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*113*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-116310-6MS
Matrix: Water
Analysis Batch: 290579

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	21	J	200	263		ug/L		121	43 - 160
Acrolein	ND		500	699		ug/L		140	38 - 160
Acrylonitrile	ND		500	627		ug/L		125	62 - 149
Benzene	ND		50.0	57.4		ug/L		115	56 - 142
Bromobenzene	ND		50.0	50.8		ug/L		102	59 - 136
Bromochloromethane	ND		50.0	55.0		ug/L		110	64 - 140
Bromodichloromethane	ND		50.0	62.8		ug/L		126	59 - 143
Bromoform	ND		50.0	50.9		ug/L		102	50 - 140
Bromomethane	ND		50.0	45.9		ug/L		92	10 - 160
2-Butanone (MEK)	ND		200	216		ug/L		108	55 - 150
Carbon disulfide	ND		50.0	62.4		ug/L		125	48 - 152
Carbon tetrachloride	ND		50.0	60.9		ug/L		122	55 - 145
Chlorobenzene	ND		50.0	52.2		ug/L		104	64 - 130
Dibromochloromethane	ND		50.0	54.7		ug/L		109	56 - 143
Chloroethane	ND		50.0	50.5		ug/L		101	50 - 151
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160
Chloroform	ND		50.0	59.0		ug/L		118	60 - 141
1-Chlorohexane	ND		50.0	62.5		ug/L		125	58 - 136
Chloromethane	ND		50.0	62.3		ug/L		125	49 - 148
cis-1,2-Dichloroethene	ND		50.0	63.2		ug/L		126	59 - 143
cis-1,3-Dichloropropene	ND		50.0	63.2		ug/L		126	57 - 140
1,2-Dichlorobenzene	ND		50.0	49.2		ug/L		98	52 - 137
1,3-Dichlorobenzene	ND		50.0	49.9		ug/L		100	54 - 135
1,4-Dichlorobenzene	ND		50.0	50.0		ug/L		100	53 - 135
Dichlorodifluoromethane	ND		50.0	54.5		ug/L		109	16 - 160
1,1-Dichloroethane	ND		50.0	62.7		ug/L		125	61 - 144
1,2-Dichloroethane	ND		50.0	64.0		ug/L		128	60 - 141
1,1-Dichloroethene	ND		50.0	57.9		ug/L		116	54 - 147
1,2-Dichloropropane	ND		50.0	59.1		ug/L		118	66 - 137
1,3-Dichloropropane	ND		50.0	56.2		ug/L		112	66 - 133

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

Lab Sample ID: 400-116310-6MS
Matrix: Water
Analysis Batch: 290579

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	ND		50.0	66.5		ug/L		133	42 - 144
1,1-Dichloropropene	ND		50.0	60.3		ug/L		121	65 - 136
Ethylbenzene	ND		50.0	54.4		ug/L		109	56 - 131
Ethyl methacrylate	ND		50.0	53.3		ug/L		107	64 - 130
Hexachlorobutadiene	ND		50.0	51.6		ug/L		103	31 - 149
2-Hexanone	ND		200	229		ug/L		115	65 - 140
Isopropylbenzene	ND		50.0	54.6		ug/L		109	56 - 133
Methylene bromide	ND		50.0	60.4		ug/L		121	63 - 138
Methylene Chloride	3.1	J	50.0	60.9		ug/L		116	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	249		ug/L		125	63 - 146
Methyl tert-butyl ether	ND		50.0	60.8		ug/L		122	59 - 137
m-Xylene & p-Xylene	ND		50.0	56.0		ug/L		112	57 - 130
Naphthalene	ND		50.0	50.2		ug/L		100	25 - 160
n-Butylbenzene	ND		50.0	51.4		ug/L		103	41 - 142
N-Propylbenzene	ND		50.0	54.3		ug/L		109	51 - 138
o-Chlorotoluene	ND		50.0	53.6		ug/L		107	53 - 134
o-Xylene	ND		50.0	55.2		ug/L		110	61 - 130
p-Chlorotoluene	ND		50.0	55.1		ug/L		110	54 - 133
p-Isopropyltoluene	ND		50.0	52.8		ug/L		106	48 - 139
sec-Butylbenzene	ND		50.0	52.5		ug/L		105	50 - 138
Styrene	ND		50.0	54.6		ug/L		109	58 - 131
tert-Butylbenzene	ND		50.0	51.9		ug/L		104	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	55.7		ug/L		111	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	53.7		ug/L		107	66 - 135
Tetrachloroethene	ND		50.0	42.8		ug/L		86	52 - 133
Toluene	ND		50.0	52.7		ug/L		105	65 - 130
trans-1,2-Dichloroethene	ND		50.0	57.6		ug/L		115	61 - 143
trans-1,3-Dichloropropene	ND		50.0	56.9		ug/L		114	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	49.3		ug/L		99	43 - 146
1,2,4-Trichlorobenzene	ND		50.0	49.8		ug/L		100	39 - 148
1,1,1-Trichloroethane	ND		50.0	63.1		ug/L		126	57 - 142
1,1,2-Trichloroethane	ND		50.0	55.2		ug/L		110	66 - 131
Trichloroethene	ND		50.0	54.6		ug/L		109	64 - 136
Trichlorofluoromethane	ND		50.0	49.7		ug/L		99	54 - 156
1,2,3-Trichloropropane	ND		50.0	51.3		ug/L		103	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	54.0		ug/L		108	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	54.5		ug/L		109	52 - 135
Vinyl acetate	ND		100	124		ug/L		124	26 - 160
Vinyl chloride	ND		50.0	54.4		ug/L		109	46 - 152
Xylenes, Total	ND		100	111		ug/L		111	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*111*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: 400-116310-6MSD
Matrix: Water
Analysis Batch: 290579

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	21	J	200	265		ug/L		122	43 - 160	1	30
Acrolein	ND		500	739		ug/L		148	38 - 160	5	31
Acrylonitrile	ND		500	665		ug/L		133	62 - 149	6	30
Benzene	ND		50.0	58.5		ug/L		117	56 - 142	2	30
Bromobenzene	ND		50.0	51.5		ug/L		103	59 - 136	1	30
Bromochloromethane	ND		50.0	56.0		ug/L		112	64 - 140	2	30
Bromodichloromethane	ND		50.0	64.3		ug/L		129	59 - 143	2	30
Bromoform	ND		50.0	52.4		ug/L		105	50 - 140	3	30
Bromomethane	ND		50.0	45.4		ug/L		91	10 - 160	1	50
2-Butanone (MEK)	ND		200	230		ug/L		115	55 - 150	7	30
Carbon disulfide	ND		50.0	64.0		ug/L		128	48 - 152	3	30
Carbon tetrachloride	ND		50.0	62.5		ug/L		125	55 - 145	3	30
Chlorobenzene	ND		50.0	52.2		ug/L		104	64 - 130	0	30
Dibromochloromethane	ND		50.0	55.6		ug/L		111	56 - 143	2	30
Chloroethane	ND		50.0	50.4		ug/L		101	50 - 151	0	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 160	NC	50
Chloroform	ND		50.0	59.8		ug/L		120	60 - 141	1	30
1-Chlorohexane	ND		50.0	62.5		ug/L		125	56 - 136	0	30
Chloromethane	ND		50.0	62.7		ug/L		125	49 - 148	1	31
cis-1,2-Dichloroethene	ND		50.0	65.4		ug/L		131	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	65.1		ug/L		130	57 - 140	3	30
1,2-Dichlorobenzene	ND		50.0	50.8		ug/L		102	52 - 137	3	30
1,3-Dichlorobenzene	ND		50.0	51.8		ug/L		104	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	50.8		ug/L		102	53 - 135	2	30
Dichlorodifluoromethane	ND		50.0	55.3		ug/L		111	16 - 160	1	31
1,1-Dichloroethane	ND		50.0	64.2		ug/L		128	61 - 144	2	30
1,2-Dichloroethane	ND		50.0	64.8		ug/L		130	60 - 141	1	30
1,1-Dichloroethene	ND		50.0	59.6		ug/L		119	54 - 147	3	30
1,2-Dichloropropane	ND		50.0	60.4		ug/L		121	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	57.4		ug/L		115	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	69.9		ug/L		140	42 - 144	5	31
1,1-Dichloropropene	ND		50.0	61.4		ug/L		123	65 - 136	2	30
Ethylbenzene	ND		50.0	54.3		ug/L		109	58 - 131	0	30
Ethyl methacrylate	ND		50.0	54.8		ug/L		110	64 - 130	3	30
Hexachlorobutadiene	ND		50.0	61.5		ug/L		123	31 - 149	17	36
2-Hexanone	ND		200	243		ug/L		122	65 - 140	6	30
Isopropylbenzene	ND		50.0	55.0		ug/L		110	56 - 133	1	30
Methylene bromide	ND		50.0	61.4		ug/L		123	63 - 138	2	30
Methylene Chloride	3.1	J	50.0	62.8		ug/L		119	60 - 146	3	32
4-Methyl-2-pentanone (MIBK)	ND		200	266		ug/L		133	63 - 146	6	30
Methyl tert-butyl ether	ND		50.0	64.4		ug/L		129	59 - 137	6	30
m-Xylene & p-Xylene	ND		50.0	56.1		ug/L		112	57 - 130	0	30
Naphthalene	ND		50.0	56.5		ug/L		113	25 - 160	12	30
n-Butylbenzene	ND		50.0	54.7		ug/L		109	41 - 142	6	31
N-Propylbenzene	ND		50.0	55.6		ug/L		111	51 - 138	2	30
o-Chlorotoluene	ND		50.0	60.3		ug/L		121	53 - 134	12	30
o-Xylene	ND		50.0	54.9		ug/L		110	61 - 130	0	30
p-Chlorotoluene	ND		50.0	56.2		ug/L		112	54 - 133	2	30

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

Lab Sample ID: 400-116310-6MSD
Matrix: Water
Analysis Batch: 290579

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	55.4		ug/L		111	48 - 139	5	30
sec-Butylbenzene	ND		50.0	54.9		ug/L		110	50 - 138	4	30
Styrene	ND		50.0	54.8		ug/L		110	58 - 131	0	30
tert-Butylbenzene	ND		50.0	53.8		ug/L		108	54 - 146	4	30
1,1,1,2-Tetrachloroethane	ND		50.0	55.8		ug/L		112	59 - 137	0	30
1,1,2,2-Tetrachloroethane	ND		50.0	55.1		ug/L		110	66 - 135	3	30
Tetrachloroethene	ND		50.0	42.6		ug/L		85	52 - 133	0	30
Toluene	ND		50.0	52.7		ug/L		105	65 - 130	0	30
trans-1,2-Dichloroethene	ND		50.0	57.9		ug/L		116	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	57.2		ug/L		114	53 - 133	0	30
1,2,3-Trichlorobenzene	ND		50.0	55.1		ug/L		110	43 - 145	11	30
1,2,4-Trichlorobenzene	ND		50.0	53.3		ug/L		107	39 - 148	7	30
1,1,1-Trichloroethane	ND		50.0	64.3		ug/L		129	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	55.4		ug/L		111	66 - 131	0	30
Trichloroethene	ND		50.0	55.0		ug/L		110	64 - 136	1	30
Trichlorofluoromethane	ND		50.0	49.1		ug/L		98	54 - 156	1	30
1,2,3-Trichloropropane	ND		50.0	53.2		ug/L		106	65 - 133	4	30
1,2,4-Trimethylbenzene	ND		50.0	55.4		ug/L		111	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	54.6		ug/L		109	52 - 135	0	30
Vinyl acetate	ND		100	133		ug/L		133	26 - 160	7	33
Vinyl chloride	ND		50.0	54.3		ug/L		109	46 - 152	0	30
Xylenes, Total	ND		100	111		ug/L		111	59 - 130	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*113*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 400-290736/4
Matrix: Water
Analysis Batch: 290736

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/17/16 08:59	1
Acrolein	ND		20	10	ug/L			01/17/16 08:59	1
Acrylonitrile	ND		10	2.8	ug/L			01/17/16 08:59	1
Benzene	ND		1.0	0.38	ug/L			01/17/16 08:59	1
Bromobenzene	ND		1.0	0.54	ug/L			01/17/16 08:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/17/16 08:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Bromoform	ND		5.0	0.71	ug/L			01/17/16 08:59	1
Bromomethane	ND		1.0	0.98	ug/L			01/17/16 08:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/17/16 08:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Chloroethane	ND		1.0	0.76	ug/L			01/17/16 08:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/17/16 08:59	1

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

Lab Sample ID: MB 400-290736/4
Matrix: Water
Analysis Batch: 290736

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.60	ug/L			01/17/16 08:59	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/17/16 08:59	1
Chloromethane	ND		1.0	0.83	ug/L			01/17/16 08:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 08:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/17/16 08:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/17/16 08:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/17/16 08:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/17/16 08:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/17/16 08:59	1
2-Hexanone	ND		25	3.1	ug/L			01/17/16 08:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/17/16 08:59	1
Methylene bromide	ND		5.0	0.59	ug/L			01/17/16 08:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/17/16 08:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/17/16 08:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/17/16 08:59	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/17/16 08:59	1
Naphthalene	ND		1.0	1.0	ug/L			01/17/16 08:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/17/16 08:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/17/16 08:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/17/16 08:59	1
o-Xylene	ND		5.0	0.60	ug/L			01/17/16 08:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/17/16 08:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/17/16 08:59	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/17/16 08:59	1
Styrene	ND		1.0	1.0	ug/L			01/17/16 08:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/17/16 08:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/17/16 08:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/17/16 08:59	1
Toluene	ND		1.0	0.70	ug/L			01/17/16 08:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/17/16 08:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/17/16 08:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/17/16 08:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/17/16 08:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/17/16 08:59	1
Trichloroethene	ND		1.0	0.50	ug/L			01/17/16 08:59	1

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

Lab Sample ID: MB 400-290736/4
Matrix: Water
Analysis Batch: 290736

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/17/16 08:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/17/16 08:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/17/16 08:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/17/16 08:59	1
Vinyl acetate	ND		25	2.0	ug/L			01/17/16 08:59	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/17/16 08:59	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/17/16 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*78 - 118*		*01/17/16 08:59*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/17/16 08:59*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/17/16 08:59*	*1*

Lab Sample ID: LCS 400-290736/1002
Matrix: Water
Analysis Batch: 290736

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	247		ug/L		123	43 - 160
Acrolein	500	556		ug/L		111	38 - 160
Acrylonitrile	500	578		ug/L		115	64 - 142
Benzene	50.0	50.2		ug/L		100	70 - 130
Bromobenzene	50.0	43.9		ug/L		88	70 - 132
Bromochloromethane	50.0	48.5		ug/L		97	70 - 130
Bromodichloromethane	50.0	56.0		ug/L		112	67 - 133
Bromoform	50.0	46.2		ug/L		92	57 - 140
Bromomethane	50.0	32.8		ug/L		66	10 - 160
2-Butanone (MEK)	200	206		ug/L		103	61 - 145
Carbon disulfide	50.0	54.4		ug/L		109	61 - 137
Carbon tetrachloride	50.0	53.5		ug/L		107	61 - 137
Chlorobenzene	50.0	43.4		ug/L		87	70 - 130
Chloroethane	50.0	40.0		ug/L		80	55 - 141
2-Chloroethyl vinyl ether	50.0	50.8		ug/L		102	10 - 160
Chloroform	50.0	50.5		ug/L		101	69 - 130
1-Chlorohexane	50.0	52.2		ug/L		104	69 - 130
Chloromethane	50.0	51.2		ug/L		102	58 - 137
cis-1,2-Dichloroethene	50.0	55.8		ug/L		112	68 - 130
cis-1,3-Dichloropropene	50.0	56.6		ug/L		113	69 - 132
Dibromochloromethane	50.0	47.2		ug/L		94	67 - 135
1,2-Dichlorobenzene	50.0	41.6		ug/L		83	67 - 130
1,3-Dichlorobenzene	50.0	42.7		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	42.3		ug/L		85	70 - 130
Dichlorodifluoromethane	50.0	44.9		ug/L		90	41 - 146
1,1-Dichloroethane	50.0	54.6		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	55.5		ug/L		111	69 - 130
1,1-Dichloroethene	50.0	51.2		ug/L		102	63 - 134
1,2-Dichloropropane	50.0	52.3		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	48.1		ug/L		96	70 - 130

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

Lab Sample ID: LCS 400-290736/1002
Matrix: Water
Analysis Batch: 290736

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	59.7		ug/L		119	52 - 135
1,1-Dichloropropene	50.0	52.3		ug/L		105	70 - 130
Ethylbenzene	50.0	45.1		ug/L		90	70 - 130
Ethyl methacrylate	50.0	47.5		ug/L		95	68 - 130
Hexachlorobutadiene	50.0	44.7		ug/L		89	53 - 140
2-Hexanone	200	219		ug/L		109	65 - 137
Isopropylbenzene	50.0	45.0		ug/L		90	70 - 130
Methylene bromide	50.0	52.5		ug/L		105	70 - 130
Methylene Chloride	50.0	51.6		ug/L		103	66 - 135
4-Methyl-2-pentanone (MIBK)	200	238		ug/L		119	69 - 138
Methyl tert-butyl ether	50.0	56.3		ug/L		113	66 - 130
m-Xylene & p-Xylene	50.0	46.7		ug/L		93	70 - 130
Naphthalene	50.0	45.4		ug/L		91	47 - 149
n-Butylbenzene	50.0	43.8		ug/L		88	67 - 130
N-Propylbenzene	50.0	46.3		ug/L		93	70 - 130
o-Chlorotoluene	50.0	45.8		ug/L		92	70 - 130
o-Xylene	50.0	45.7		ug/L		91	70 - 130
p-Chlorotoluene	50.0	46.7		ug/L		93	70 - 130
p-Isopropyltoluene	50.0	43.9		ug/L		88	65 - 130
sec-Butylbenzene	50.0	44.2		ug/L		88	66 - 130
Styrene	50.0	45.1		ug/L		90	70 - 130
tert-Butylbenzene	50.0	44.2		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	45.7		ug/L		91	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.3		ug/L		97	70 - 131
Tetrachloroethene	50.0	38.6		ug/L		77	65 - 130
Toluene	50.0	44.2		ug/L		88	70 - 130
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	44.1		ug/L		88	60 - 138
1,2,4-Trichlorobenzene	50.0	44.2		ug/L		88	60 - 140
1,1,1-Trichloroethane	50.0	54.8		ug/L		110	68 - 130
1,1,2-Trichloroethane	50.0	47.4		ug/L		95	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	39.1		ug/L		78	65 - 138
1,2,3-Trichloropropane	50.0	48.2		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	50.0	45.7		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	50.0	46.1		ug/L		92	69 - 130
Vinyl acetate	100	106		ug/L		106	26 - 160
Vinyl chloride	50.0	45.4		ug/L		91	59 - 136
Xylenes, Total	100	92.3		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*114*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzenethiol	ND		10	1.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzoic acid	ND		30	7.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
Benzyl alcohol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/15/16 09:58	01/18/16 18:02	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/15/16 09:58	01/18/16 18:02	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/15/16 09:58	01/18/16 18:02	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chloroaniline	ND		10	3.4	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Chlorophenol	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dibenzofuran	ND		10	0.52	ug/L		01/15/16 09:58	01/18/16 18:02	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Diethyl phthalate	ND		10	0.70	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/15/16 09:58	01/18/16 18:02	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/15/16 09:58	01/18/16 18:02	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/15/16 09:58	01/18/16 18:02	1
1,4-Dioxane	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
Hexachloroethane	ND		10	4.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
Indene	ND		10	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
Isophorone	ND		10	0.57	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Methylphenol	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Nitroaniline	ND		10	2.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
3-Nitroaniline	ND		10	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Nitroaniline	ND		10	2.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
Nitrobenzene	ND		10	0.55	ug/L		01/15/16 09:58	01/18/16 18:02	1
2-Nitrophenol	ND		10	0.65	ug/L		01/15/16 09:58	01/18/16 18:02	1
4-Nitrophenol	ND		10	2.1	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/15/16 09:58	01/18/16 18:02	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/15/16 09:58	01/18/16 18:02	1
Pentachlorophenol	ND		20	1.8	ug/L		01/15/16 09:58	01/18/16 18:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		10	2.6	ug/L		01/15/16 09:58	01/18/16 18:02	1
Pyridine	ND		10	3.2	ug/L		01/15/16 09:58	01/18/16 18:02	1
Quinoline	ND		10	6.0	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/15/16 09:58	01/18/16 18:02	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/15/16 09:58	01/18/16 18:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*34 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
2-Fluorophenol	*61*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Nitrobenzene-d5	*85*		*27 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Phenol-d5	*64*		*10 - 120*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
Terphenyl-d14	*86*		*53 - 125*	*01/15/16 09:58*	*01/18/16 18:02*	*1*
2,4,6-Tribromophenol	*53*		*15 - 135*	*01/15/16 09:58*	*01/18/16 18:02*	*1*

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	23.4		ug/L		78	10 - 145
Benzoic acid	127	51.5		ug/L		40	10 - 120
Benzyl alcohol	30.0	28.5		ug/L		95	51 - 121
Bis(2-chloroethoxy)methane	30.0	26.0		ug/L		87	54 - 123
Bis(2-chloroethyl)ether	30.0	26.5		ug/L		88	47 - 120
bis (2-chloroisopropyl) ether	30.0	29.3		ug/L		98	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	31.7		ug/L		106	62 - 140
4-Bromophenyl phenyl ether	30.0	25.8		ug/L		86	62 - 132
Butyl benzyl phthalate	30.0	29.6		ug/L		99	51 - 150
4-Chloroaniline	30.0	20.5		ug/L		68	32 - 128
4-Chloro-3-methylphenol	30.0	27.3		ug/L		91	47 - 135
2-Chloronaphthalene	30.0	26.7		ug/L		89	24 - 150
2-Chlorophenol	30.0	24.9		ug/L		83	45 - 120
4-Chlorophenyl phenyl ether	30.0	26.8		ug/L		89	61 - 133
Dibenz[a,h]acridine	30.0	25.8		ug/L		86	60 - 131
Dibenzofuran	30.0	26.8		ug/L		89	62 - 124
3,3'-Dichlorobenzidine	40.0	37.7		ug/L		94	16 - 167
2,4-Dichlorophenol	30.0	25.3		ug/L		84	52 - 125
Diethyl phthalate	30.0	29.1		ug/L		97	55 - 140
2,4-Dimethylphenol	30.0	25.2		ug/L		84	52 - 121
Dimethyl phthalate	30.0	27.1		ug/L		90	50 - 133
Di-n-butyl phthalate	30.0	31.4		ug/L		105	59 - 144
4,6-Dinitro-ortho-cresol	60.0	55.7		ug/L		93	46 - 136
2,4-Dinitrophenol	110	91.8		ug/L		83	22 - 146
2,4-Dinitrotoluene	30.0	29.0		ug/L		97	54 - 141
2,6-Dinitrotoluene	30.0	28.1		ug/L		94	61 - 130
Di-n-octyl phthalate	30.0	31.9		ug/L		106	55 - 140
1,4-Dioxane	30.0	20.7		ug/L		69	10 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Diphenylhydrazine (as Azobenzene)	30.0	28.7		ug/L		96	55 - 139
Hexachlorobenzene	30.0	25.1		ug/L		84	60 - 138
Hexachlorocyclopentadiene	30.0	22.5		ug/L		75	1 - 139
Hexachloroethane	30.0	23.0		ug/L		77	46 - 121
Indene	30.0	25.3		ug/L		84	17 - 141
Isophorone	30.0	26.4		ug/L		88	57 - 122
2-Methylphenol	30.0	27.0		ug/L		90	38 - 121
3 & 4 Methylphenol	30.0	26.7		ug/L		89	43 - 126
2-Nitroaniline	30.0	30.8		ug/L		103	52 - 135
3-Nitroaniline	30.0	24.8		ug/L		83	51 - 128
4-Nitroaniline	30.0	28.4		ug/L		95	38 - 141
Nitrobenzene	30.0	25.3		ug/L		84	52 - 128
2-Nitrophenol	30.0	24.8		ug/L		83	47 - 129
4-Nitrophenol	60.0	49.9		ug/L		83	34 - 137
N-Nitrosodimethylamine	30.0	27.1		ug/L		90	21 - 134
N-Nitrosodi-n-propylamine	30.0	28.3		ug/L		94	41 - 143
N-Nitrosodiphenylamine	64.9	26.9		ug/L		41	10 - 185
Pentachlorophenol	60.0	46.7		ug/L		78	38 - 138
Phenol	30.0	24.1		ug/L		80	37 - 120
Pyridine	30.0	21.2		ug/L		71	10 - 127
Quinoline	30.0	25.3		ug/L		84	10 - 164
2,4,5-Trichlorophenol	30.0	26.6		ug/L		89	53 - 130
2,4,6-Trichlorophenol	30.0	26.2		ug/L		87	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*34 - 120*
2-Fluorophenol	*75*		*10 - 120*
Nitrobenzene-d5	*84*		*27 - 120*
Phenol-d5	*82*		*10 - 120*
Terphenyl-d14	*88*		*53 - 125*
2,4,6-Tribromophenol	*84*		*15 - 135*

Lab Sample ID: LCS 400-290632/3-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	27.1		ug/L		90	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*34 - 120*
2-Fluorophenol	*68*		*10 - 120*
Nitrobenzene-d5	*92*		*27 - 120*
Phenol-d5	*65*		*10 - 120*
Terphenyl-d14	*96*		*53 - 125*
2,4,6-Tribromophenol	*73*		*15 - 135*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-290632/4-A
Matrix: Water
Analysis Batch: 290700

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	29.3		ug/L		98	20 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*66*		*10 - 120*
Nitrobenzene-d5	*89*		*27 - 120*
Phenol-d5	*72*		*10 - 120*
Terphenyl-d14	*93*		*53 - 125*
2,4,6-Tribromophenol	*70*		*15 - 135*

Lab Sample ID: 400-116310-6MS
Matrix: Water
Analysis Batch: 290769

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		30.0	14.8		ug/L		49	10 - 143
Benzoic acid	ND	F2	127	52.9		ug/L		42	10 - 134
Benzyl alcohol	ND		30.0	23.6		ug/L		79	10 - 154
Bis(2-chloroethoxy)methane	ND		30.0	24.7		ug/L		82	14 - 147
Bis(2-chloroethyl)ether	ND		30.0	24.7		ug/L		82	28 - 130
bis (2-chloroisopropyl) ether	ND		30.0	24.2		ug/L		81	10 - 141
Bis(2-ethylhexyl) phthalate	ND		30.0	25.5		ug/L		85	43 - 160
4-Bromophenyl phenyl ether	ND		30.0	27.1		ug/L		90	26 - 159
Butyl benzyl phthalate	ND		30.0	27.1		ug/L		90	43 - 151
4-Chloroaniline	ND		30.0	16.1		ug/L		54	10 - 152
4-Chloro-3-methylphenol	ND		30.0	21.8		ug/L		73	17 - 156
2-Chloronaphthalene	ND		30.0	25.8		ug/L		86	10 - 155
2-Chlorophenol	ND		30.0	20.5		ug/L		68	19 - 130
4-Chlorophenyl phenyl ether	ND		30.0	28.2		ug/L		94	25 - 161
Dibenz[a,h]acridine	ND		30.0	25.9		ug/L		86	42 - 147
Dibenzofuran	ND		30.0	27.6		ug/L		92	18 - 157
3,3'-Dichlorobenzidine	ND		40.0	37.4		ug/L		93	10 - 172
2,4-Dichlorophenol	ND		30.0	22.4		ug/L		75	16 - 147
Diethyl phthalate	ND		30.0	26.3		ug/L		88	23 - 160
2,4-Dimethylphenol	ND		30.0	18.0		ug/L		60	25 - 146
Dimethyl phthalate	ND		30.0	24.8		ug/L		83	11 - 158
Di-n-butyl phthalate	ND		30.0	27.7		ug/L		92	28 - 162
4,6-Dinitro-ortho-cresol	ND		60.0	49.4		ug/L		82	10 - 168
2,4-Dinitrophenol	ND		110	84.9		ug/L		77	10 - 166
2,4-Dinitrotoluene	ND		30.0	28.1		ug/L		94	26 - 158
2,6-Dinitrotoluene	ND		30.0	27.0		ug/L		90	19 - 157
Di-n-octyl phthalate	ND		30.0	26.1		ug/L		87	42 - 150
1,4-Dioxane	ND		30.0	15.6		ug/L		52	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	26.0		ug/L		87	19 - 162
Hexachlorobenzene	ND		30.0	26.5		ug/L		88	45 - 145
Hexachlorocyclopentadiene	ND		30.0	18.5	J	ug/L		62	10 - 151
Hexachloroethane	ND		30.0	20.4		ug/L		68	29 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116310-6MS
Matrix: Water
Analysis Batch: 290769

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Indene	ND		30.0	24.4		ug/L		81	22 - 130
Isophorone	ND		30.0	24.0		ug/L		80	24 - 144
2-Methylphenol	ND		30.0	19.7		ug/L		66	22 - 130
3 & 4 Methylphenol	ND		30.0	18.7	J	ug/L		62	31 - 130
2-Nitroaniline	ND		30.0	30.5		ug/L		102	10 - 162
3-Nitroaniline	ND		30.0	23.3		ug/L		78	10 - 163
4-Nitroaniline	ND		30.0	26.0		ug/L		87	10 - 162
Nitrobenzene	ND		30.0	23.5		ug/L		78	34 - 135
2-Nitrophenol	ND		30.0	19.9		ug/L		66	27 - 134
4-Nitrophenol	ND		60.0	29.9		ug/L		50	10 - 175
N-Nitrosodimethylamine	ND		30.0	20.1		ug/L		67	10 - 139
N-Nitrosodi-n-propylamine	ND		30.0	25.2		ug/L		84	13 - 147
N-Nitrosodiphenylamine	ND		64.9	26.4		ug/L		41	31 - 150
Pentachlorophenol	ND		60.0	51.0		ug/L		85	10 - 180
Phenol	ND		30.0	14.5		ug/L		48	23 - 130
Pyridine	ND		30.0	12.2		ug/L		41	10 - 130
Quinoline	ND		30.0	18.9		ug/L		63	10 - 180
2,4,5-Trichlorophenol	ND		30.0	24.0		ug/L		80	43 - 137
2,4,6-Trichlorophenol	ND		30.0	23.9		ug/L		80	42 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*34 - 120*
2-Fluorophenol	*51*		*10 - 120*
Nitrobenzene-d5	*78*		*27 - 120*
Phenol-d5	*45*		*10 - 120*
Terphenyl-d14	*77*		*53 - 125*
2,4,6-Tribromophenol	*88*		*15 - 135*

Lab Sample ID: 400-116310-6MSD
Matrix: Water
Analysis Batch: 290769

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		30.0	22.0		ug/L		73	10 - 143	39	63
Benzoic acid	ND	F2	127	87.9	F2	ug/L		69	10 - 134	50	49
Benzyl alcohol	ND		30.0	28.6		ug/L		95	10 - 154	19	37
Bis(2-chloroethoxy)methane	ND		30.0	25.7		ug/L		86	14 - 147	4	70
Bis(2-chloroethyl)ether	ND		30.0	26.9		ug/L		90	28 - 130	8	42
bis (2-chloroisopropyl) ether	ND		30.0	25.6		ug/L		85	10 - 141	5	41
Bis(2-ethylhexyl) phthalate	ND		30.0	35.6		ug/L		119	43 - 160	33	35
4-Bromophenyl phenyl ether	ND		30.0	28.3		ug/L		94	26 - 159	4	30
Butyl benzyl phthalate	ND		30.0	29.8		ug/L		99	43 - 151	9	32
4-Chloroaniline	ND		30.0	20.1		ug/L		67	10 - 152	22	94
4-Chloro-3-methylphenol	ND		30.0	26.4		ug/L		88	17 - 156	19	40
2-Chloronaphthalene	ND		30.0	27.0		ug/L		90	10 - 155	5	29
2-Chlorophenol	ND		30.0	24.6		ug/L		82	19 - 130	18	42
4-Chlorophenyl phenyl ether	ND		30.0	29.0		ug/L		97	25 - 161	3	27
Dibenz[a,h]acridine	ND		30.0	27.6		ug/L		92	42 - 147	6	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-116310-6MSD
Matrix: Water
Analysis Batch: 290769

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	ND		30.0	28.4		ug/L		95	18 - 157	3	29
3,3'-Dichlorobenzidine	ND		40.0	38.4		ug/L		96	10 - 172	3	58
2,4-Dichlorophenol	ND		30.0	25.9		ug/L		86	16 - 147	15	43
Diethyl phthalate	ND		30.0	29.1		ug/L		97	23 - 160	10	40
2,4-Dimethylphenol	ND		30.0	22.4		ug/L		75	25 - 146	21	47
Dimethyl phthalate	ND		30.0	28.0		ug/L		93	11 - 158	12	36
Di-n-butyl phthalate	ND		30.0	29.4		ug/L		98	28 - 162	6	32
4,6-Dinitro-ortho-cresol	ND		60.0	59.5		ug/L		99	10 - 168	19	42
2,4-Dinitrophenol	ND		110	108		ug/L		98	10 - 166	24	36
2,4-Dinitrotoluene	ND		30.0	31.5		ug/L		105	26 - 158	11	28
2,6-Dinitrotoluene	ND		30.0	30.3		ug/L		101	19 - 157	12	28
Di-n-octyl phthalate	ND		30.0	30.8		ug/L		103	42 - 150	16	35
1,4-Dioxane	ND		30.0	19.9		ug/L		66	10 - 130	24	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		30.0	26.7		ug/L		89	19 - 162	3	40
Hexachlorobenzene	ND		30.0	29.1		ug/L		97	45 - 145	9	33
Hexachlorocyclopentadiene	ND		30.0	20.1		ug/L		67	10 - 151	8	50
Hexachloroethane	ND		30.0	22.5		ug/L		75	29 - 130	10	41
Indene	ND		30.0	24.9		ug/L		83	22 - 130	2	40
Isophorone	ND		30.0	25.7		ug/L		86	24 - 144	7	33
2-Methylphenol	ND		30.0	25.2		ug/L		84	22 - 130	24	47
3 & 4 Methylphenol	ND		30.0	24.8		ug/L		83	31 - 130	28	47
2-Nitroaniline	ND		30.0	34.3		ug/L		114	10 - 162	12	33
3-Nitroaniline	ND		30.0	27.4		ug/L		91	10 - 163	16	39
4-Nitroaniline	ND		30.0	29.2		ug/L		97	10 - 162	11	50
Nitrobenzene	ND		30.0	26.3		ug/L		88	34 - 135	11	35
2-Nitrophenol	ND		30.0	24.8		ug/L		83	27 - 134	22	43
4-Nitrophenol	ND		60.0	46.0		ug/L		77	10 - 175	42	82
N-Nitrosodimethylamine	ND		30.0	26.5		ug/L		88	10 - 139	28	62
N-Nitrosodi-n-propylamine	ND		30.0	27.4		ug/L		91	13 - 147	8	36
N-Nitrosodiphenylamine	ND		64.9	27.1		ug/L		42	31 - 150	3	34
Pentachlorophenol	ND		60.0	55.4		ug/L		92	10 - 180	8	42
Phenol	ND		30.0	22.0		ug/L		73	23 - 130	41	52
Pyridine	ND		30.0	18.9		ug/L		63	10 - 130	43	55
Quinoline	ND		30.0	25.9		ug/L		86	10 - 180	31	40
2,4,5-Trichlorophenol	ND		30.0	27.2		ug/L		91	43 - 137	13	42
2,4,6-Trichlorophenol	ND		30.0	27.8		ug/L		93	42 - 135	15	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*34 - 120*
2-Fluorophenol	*67*		*10 - 120*
Nitrobenzene-d5	*86*		*27 - 120*
Phenol-d5	*67*		*10 - 120*
Terphenyl-d14	*90*		*53 - 125*
2,4,6-Tribromophenol	*100*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-290632/1-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Anthracene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Chrysene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Fluoranthene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Fluorene	ND		0.20	0.021	ug/L		01/15/16 09:58	01/20/16 16:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/15/16 09:58	01/20/16 16:29	1
Phenanthrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
Pyrene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/15/16 09:58	01/20/16 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*98*		*33 - 138*	*01/15/16 09:58*	*01/20/16 16:29*	*1*
2-Fluorobiphenyl	*81*		*15 - 122*	*01/15/16 09:58*	*01/20/16 16:29*	*1*
Nitrobenzene-d5	*80*		*19 - 130*	*01/15/16 09:58*	*01/20/16 16:29*	*1*

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	24.8		ug/L		83	41 - 120
Acenaphthylene	30.0	24.8		ug/L		83	44 - 120
Anthracene	30.0	24.9		ug/L		83	49 - 120
Benzo[a]anthracene	30.0	25.2		ug/L		84	61 - 135
Benzo[a]pyrene	30.0	24.7		ug/L		82	52 - 120
Benzo[b]fluoranthene	30.0	28.1		ug/L		94	53 - 134
Benzo[g,h,i]perylene	30.0	18.9		ug/L		63	47 - 133
Benzo[k]fluoranthene	30.0	26.6		ug/L		89	57 - 134
Chrysene	30.0	25.5		ug/L		85	55 - 122
Dibenz(a,h)anthracene	30.0	23.2		ug/L		77	48 - 146
Fluoranthene	30.0	25.7		ug/L		86	54 - 128
Fluorene	30.0	27.3		ug/L		91	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	22.3		ug/L		74	43 - 142
Phenanthrene	30.0	24.9		ug/L		83	48 - 120
Pyrene	30.0	24.7		ug/L		82	48 - 132
1-Methylnaphthalene	30.0	25.2		ug/L		84	41 - 120
2-Methylnaphthalene	30.0	26.0		ug/L		87	32 - 124

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-290632/2-A
Matrix: Water
Analysis Batch: 291037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290632

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	*84*		*33 - 138*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*81*		*19 - 130*

Lab Sample ID: 400-116310-6MS
Matrix: Water
Analysis Batch: 291156

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		30.0	24.7		ug/L		82	35 - 113
Acenaphthylene	ND		30.0	24.4		ug/L		81	41 - 118
Anthracene	ND		30.0	24.6		ug/L		82	45 - 122
Benzo[a]anthracene	ND		30.0	22.9		ug/L		76	55 - 133
Benzo[a]pyrene	ND		30.0	21.5		ug/L		72	50 - 108
Benzo[b]fluoranthene	ND		30.0	24.3		ug/L		81	50 - 128
Benzo[g,h,i]perylene	ND		30.0	17.3		ug/L		58	46 - 133
Benzo[k]fluoranthene	ND		30.0	23.8		ug/L		79	52 - 128
Chrysene	ND		30.0	23.1		ug/L		77	52 - 116
Dibenz(a,h)anthracene	ND		30.0	20.8		ug/L		69	52 - 143
Fluoranthene	ND		30.0	25.0		ug/L		83	32 - 150
Fluorene	ND		30.0	27.2		ug/L		91	15 - 150
Indeno[1,2,3-cd]pyrene	ND		30.0	19.7		ug/L		66	41 - 141
Phenanthrene	ND		30.0	25.1		ug/L		84	36 - 125
Pyrene	ND		30.0	25.2		ug/L		84	41 - 127
1-Methylnaphthalene	ND		30.0	24.6		ug/L		82	10 - 150
2-Methylnaphthalene	ND		30.0	25.3		ug/L		84	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
Terphenyl-d14	*71*		*33 - 138*
2-Fluorobiphenyl	*80*		*15 - 122*
Nitrobenzene-d5	*84*		*19 - 130*

Lab Sample ID: 400-116310-6MSD
Matrix: Water
Analysis Batch: 291156

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		30.0	25.9		ug/L		86	35 - 113	5	49
Acenaphthylene	ND		30.0	25.9		ug/L		86	41 - 118	6	48
Anthracene	ND		30.0	25.7		ug/L		86	45 - 122	4	56
Benzo[a]anthracene	ND		30.0	26.6		ug/L		89	55 - 133	15	57
Benzo[a]pyrene	ND		30.0	25.7		ug/L		86	50 - 108	18	59
Benzo[b]fluoranthene	ND		30.0	29.2		ug/L		97	50 - 128	18	62
Benzo[g,h,i]perylene	ND		30.0	20.4		ug/L		68	46 - 133	17	58
Benzo[k]fluoranthene	ND		30.0	29.8		ug/L		99	52 - 128	22	58
Chrysene	ND		30.0	26.9		ug/L		90	52 - 116	15	59
Dibenz(a,h)anthracene	ND		30.0	24.3		ug/L		81	52 - 143	16	60
Fluoranthene	ND		30.0	26.6		ug/L		89	32 - 150	6	59

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-116310-6MSD
Matrix: Water
Analysis Batch: 291156

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	ND		30.0	28.4		ug/L		95	15 - 150	4	49
Indeno[1,2,3-cd]pyrene	ND		30.0	23.5		ug/L		78	41 - 141	18	58
Phenanthrene	ND		30.0	26.1		ug/L		87	36 - 125	4	69
Pyrene	ND		30.0	26.9		ug/L		90	41 - 127	6	58
1-Methylnaphthalene	ND		30.0	26.1		ug/L		87	10 - 150	6	66
2-Methylnaphthalene	ND		30.0	26.7		ug/L		89	10 - 150	5	66

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*84*		*33 - 138*
2-Fluorobiphenyl	*83*		*15 - 122*
Nitrobenzene-d5	*87*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290815/1-A
Matrix: Water
Analysis Batch: 290930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/18/16 12:01	01/18/16 16:53	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/18/16 12:01	01/18/16 16:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*01/18/16 12:01*	*01/18/16 16:53*	*1*

Lab Sample ID: LCS 400-290815/2-A
Matrix: Water
Analysis Batch: 290930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.100		ug/L		100	60 - 140
1,2-Dibromoethane	0.100	0.103		ug/L		103	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*51 - 149*

Lab Sample ID: 400-116310-6MS
Matrix: Water
Analysis Batch: 290930

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.0983	0.0895		ug/L		91	65 - 135
1,2-Dibromoethane	ND		0.0983	0.0951		ug/L		97	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 400-116310-6MSD
Matrix: Water
Analysis Batch: 290930

Client Sample ID: MW10-ROX-011316
Prep Type: Total/NA
Prep Batch: 290815

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.0951	0.0846		ug/L		89	65 - 135	6	20
1,2-Dibromoethane	ND		0.0951	0.0944		ug/L		99	65 - 135	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST (
☐ CALSCIENCE (
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (
Lab Vendor # 1364389 (TestAmerica)

Please Check Appropriate Box: ☐ SGW PDC ☐ PIPELINE ☐ RETAIL ☐ CHEMICALS ☐ CONSULTANT ☐ USES ☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Bilman
PO #: 60477387 - 1.03.001/1.030011
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/00114/R02
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 13 JAN 2016
PAGE: 1 of 2

SAMPLING COMPANY: AECOM
LOG CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
REF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
EMAIL:
AECOM Cost ID:
PROJECT CONTACT (hardcopy or PDF Report to): Elizabeth Kunkel, Bob Bilman, Lindsey Rathbone
SAMPLER NAME(S) (Print): B. KICA / D. HAXEL
LAB USE ONLY:
TELEPHONE: 314-429-0100
FAX: 314-429-0462
EDD To Contact E-MAIL: bob.bilman@aecom.com; elizabeth.kunkel@aecom.com; lindsey.rathbone@aecom.com

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1: Cooler #2: Cooler #3:

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE EDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST 60477387 - 1.03.0011: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.001: VOC 8260	SVOC 8270	FIELD NOTES: Container PID Readings or Laboratory Notes
	MW24-ROX-011316	1/13/16	0925	Water	4			3		7	X	X	X	X	
	MW24-ROX-011316-UN		0925					2		2			X		
	MW9-ROX-011316		1020		4			3		7	X	X	X	X	
	MW9-ROX-011316-UN		1020					2		2			X		
	MW27-ROX-011316		1220		4			3		7	X	X	X	X	
	MW10-ROX-011316		1445		4			3		7	X	X	X	X	
	MW10-ROX-011316-MS				4			3		7	X	X	X	X	
	MW10-ROX-011316-MSD		↓		4			3		7	X	X	X	X	
	TB-ROX-011316-8011-B		0000	↓	2						X				
	TB-ROX-011316-8260-B	↓	0000	↓	2								X		

400-116310 COC

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Fed Ex 8092 2040 7984	13 JAN 2016	1730
	[illegible] 5 (1.7 °C)	1/14/16	1018
	3.1°c, 2.3°c, 1.7°c, 0.3°c IR 5		

Version: 14Oct15

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1/25/2016

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST ( )
☐ CALSCIENCE ( )
☒ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other ( )
Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☒ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Billman
PO #: 60477387 - 1.03.001/1.030011

PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 13 Jan. 2016
PAGE: 2 of 2

SAMPLING COMPANY: AECOM
LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
TELEPHONE: 314-429-0100 FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Other ID:
SAMPLER NAME(S) (Print): B. Koca / D. Haxel / C. Williams / E. Schumacker
LAB USE ONLY:

TURNAROUND TIME (BUSINESS DAYS): ☒ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:
DELIVERABLES: ☐ LEVEL 1 ☒ LEVEL 2 ☐ LEVEL 3 ☒ LEVEL 4 ☒ OTHER (SPECIFY) _EDD
TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☒ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☒ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST 60477387 - 1.03.0011: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.001: VOC 8260	SVOC 8270	FIELD NOTES: TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
	TB-ROX-011316-UN-B	1/13/2016	0000	Water				2		2			X		
	P58-ROX-011316		1000		4			3		7	X	X	X	X	
	P93D-ROX-011316		1120		4			3		7	X	X	X	X	
	P93B-ROX-011316		1350		4			3		7	X	X	X	X	
	MW4-ROX-011316		1515		4			3		7	X	X	X	X	
	TB-ROX-011316-8011-A		0000		2					2	X				
	TB-ROX-011316-8260-A		0000		2					2			X		

13 Jan. 2016

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Fed Ex 8092 2040 7984	13 Jan. 2016	1730
	[signature] ERS-5 (1.7°C)	1/14/16	1018

Custody Seals Test America: 785009/785010
Anel: 3333/4444/17

Version: 14Dec15

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1/25/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116310-1
SDG Number: Proj. 60477387-1.03.001/1.03.0011

Login Number: 116310
List Number: 1
Creator: Crawford, Lauren E

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1°C, 2.3°C, 1.7°C, 0.3°C IR-5
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116310-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116360-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/2/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW5-ROX-011416	MW5-ROX-011416-UN
MW2-ROX-011416	MW2-ROX-011416-UN
ROST3MW-ROX-011416	MW28-ROX-011416
TB-ROX-011416-8011-B	TB-ROX-011416-8260-B
TB-ROX-011416-UN	MW25-ROX-011416
MW8-ROX-011416	MW7-ROX-011416
MW7-ROX-011416-Dup	TB-ROX-011416-8011-A
TB-ROX-011416-8260-A	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that the surrogate recovery for terphenyl-d_{14} was outside criteria in samples MW8-ROX-011416 and MW7-ROX-011416. Several samples were diluted to bring the concentrations within instrument calibration range. These issues are addressed further in the appropriate sections below.

Additionally, the continuing calibration verification for benzenethiol exceeded evaluation criteria above the upper control limit. Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative, with the exception of samples MW5-ROX-011416-UN, MW2-ROX-011416-UN, and TB-ROX-011416-UN which were not HCl preserved.

The cooler receipt form indicated that four of four coolers were received by the laboratory at temperatures of 0.0°C, 0.6°C, 0.6°C, and 0.8°C, which are outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required. The sample ID for ROST3MW-ROX-011416 was inadvertently recorded incorrectly on the COC missing the "ROX" designation; data was reported using the correct sample ID, therefore no qualification of data was required. Additionally, although not requested on the COC, sample MW7-ROX-011416-Dup was received by the laboratory for analysis. Upon receipt, sample MW7-ROX-011416-Dup was correctly analyzed based on sample labels; no qualification of data was required. The cooler receipt form indicated insufficient sample volume was received for MS/MSD analysis, however MS/MSD analysis was not requested; no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW8-ROX-011416	SVOCs	Terphenyl-d_{14}	**42**	53-125
MW7-ROX-011416	SVOCs	Terphenyl-d_{14}	**43**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six surrogate recoveries being outside evaluation criteria each sample parameter. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

No

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
MW7-ROX-011416	MW7-ROX-011416-Dup

Were field duplicates within evaluation criteria?

Yes

11.0 Sample Dilutions

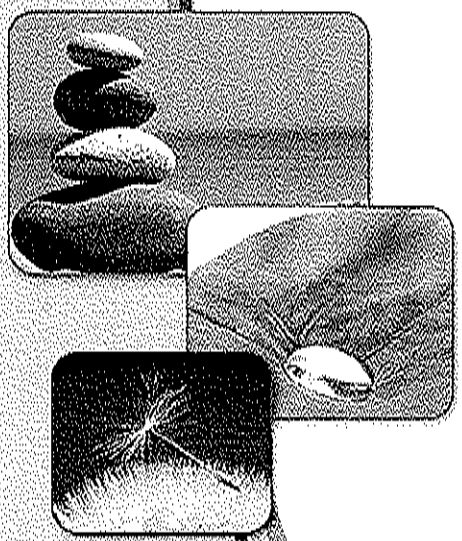
For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples requiring dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116360-1
TestAmerica SDG: Proj.60477387-1.03.001/1.030011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn S. Hooper

Authorized for release by:
1/28/2016 2:31:15 PM

Carolyn Hooper, Project Manager I
(850)474-1001
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LINKS

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Reviewed 2/2/2016

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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Job ID: 400-116360-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116360-1

Receipt
The samples were received on 1/15/2016 10:29 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.0°C, 0.6°C, 0.6°C and 0.8°C.

GC/MS VOA
Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW5-ROX-011416 (400-116360-1), MW2-ROX-011416 (400-116360-3), ROST3MW-011416 (400-116360-5), MW28-ROX-011416 (400-116360-6), TB-ROX-011416-8260-B (400-116360-8), MW25-ROX-011416 (400-116360-10), MW8-ROX-011416 (400-116360-11) and TB-ROX-011416-8260-A (400-116360-15). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples was received preserved with hydrochloric acid: MW7-ROX-011416 (400-116360-12) and MW7-ROX-011416-DUP (400-116360-13). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein, and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-291410 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for batch 291410 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-291149 recovered above the upper control limit for Benzenethiol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW5-ROX-011416 (400-116360-1), MW2-ROX-011416 (400-116360-3), ROST3MW-011416 (400-116360-5), MW28-ROX-011416 (400-116360-6), MW25-ROX-011416 (400-116360-10), MW8-ROX-011416 (400-116360-11), MW7-ROX-011416 (400-116360-12), MW7-ROX-011416-DUP (400-116360-13) and (MB 400-291056/1-A).

Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW8-ROX-011416 (400-116360-11) and MW7-ROX-011416 (400-116360-12). These results have been reported and qualified.

The following samples was diluted to bring the concentration of target analytes within the calibration range: MW8-ROX-011416 (400-116360-11), MW7-ROX-011416 (400-116360-12) and MW7-ROX-011416-DUP (400-116360-13). Elevated reporting limits (RLs) are provided.

Organic Prep
Method 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 8270/LL analytical batch 400-291056.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116360-1	MW5-ROX-011416	Water	01/14/16 10:35	01/15/16 10:29
400-116360-2	MW5-ROX-011416-UN	Water	01/14/16 10:35	01/15/16 10:29
400-116360-3	MW2-ROX-011416	Water	01/14/16 11:40	01/15/16 10:29
400-116360-4	MW2-ROX-011416-UN	Water	01/14/16 11:40	01/15/16 10:29
400-116360-5	ROST3MW-011416	Water	01/14/16 13:35	01/15/16 10:29
400-116360-6	MW28-ROX-011416	Water	01/14/16 14:20	01/15/16 10:29
400-116360-7	TB-ROX-011416-8011-B	Water	01/14/16 00:00	01/15/16 10:29
400-116360-8	TB-ROX-011416-8260-B	Water	01/14/16 00:00	01/15/16 10:29
400-116360-9	TB-ROX-011416-UN	Water	01/14/16 00:00	01/15/16 10:29
400-116360-10	MW25-ROX-011416	Water	01/14/16 10:40	01/15/16 10:29
400-116360-11	MW8-ROX-011416	Water	01/14/16 11:35	01/15/16 10:29
400-116360-12	MW7-ROX-011416	Water	01/14/16 14:05	01/15/16 10:29
400-116360-13	MW7-ROX-011416-DUP	Water	01/14/16 14:05	01/15/16 10:29
400-116360-14	TB-ROX-011416-8011-A	Water	01/14/16 00:00	01/15/16 10:29
400-116360-15	TB-ROX-011416-8260-A	Water	01/14/16 00:00	01/15/16 10:29

Client Sample ID: MW2-ROX-011416-UN (Continued) — Lab Sample ID: 400-116360-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p-Isopropyltoluene	5.1		2.0	1.4	ug/L	2		8260B	Total/NA
sec-Butylbenzene	3.3		2.0	1.4	ug/L	2		8260B	Total/NA
Toluene	13		2.0	1.4	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	54		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	80		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	130		10	1.2	ug/L	2		8260B	Total/NA

Client Sample ID: ROST3MW-011416 — Lab Sample ID: 400-116360-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		1.0	0.38	ug/L	1		8260B	Total/NA
Ethylbenzene	27		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	1.6		1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	40		5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	7.1		1.0	1.0	ug/L	1		8260B	Total/NA
N-Propylbenzene	1.8		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	7.7		5.0	0.60	ug/L	1		8260B	Total/NA
Toluene	1.6		1.0	0.70	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	8.0		1.0	0.82	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	1.5		1.0	0.56	ug/L	1		8260B	Total/NA
Xylenes, Total	47		5.0	0.60	ug/L	1		8260B	Total/NA
Phenanthrene	0.096	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	1.7		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	1.4		0.20	0.020	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW28-ROX-011416 — Lab Sample ID: 400-116360-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J	25	10	ug/L	1		8260B	Total/NA
Phenol	13		10	2.6	ug/L	1		8270D	Total/NA

Client Sample ID: TB-ROX-011416-8011-B — Lab Sample ID: 400-116360-7

No Detections.

Client Sample ID: TB-ROX-011416-8260-B — Lab Sample ID: 400-116360-8

No Detections.

Client Sample ID: TB-ROX-011416-UN — Lab Sample ID: 400-116360-9

No Detections.

Client Sample ID: MW25-ROX-011416 — Lab Sample ID: 400-116360-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2200		20	7.6	ug/L	20		8260B	Total/NA
Methyl tert-butyl ether	42		20	15	ug/L	20		8260B	Total/NA
1-Methylnaphthalene	0.40		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.17	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Phenol	49		10	2.6	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: MW5-ROX-011416 — Lab Sample ID: 400-116360-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	1.7		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	10		1.0	0.74	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.6		1.0	0.63	ug/L	1		8260B	Total/NA
Xylenes, Total	1.8	J	5.0	0.60	ug/L	1		8260B	Total/NA

Client Sample ID: MW5-ROX-011416-UN — Lab Sample ID: 400-116360-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19	J	25	10	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.92	J	1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	9.7		1.0	0.74	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.1		1.0	0.63	ug/L	1		8260B	Total/NA
Xylenes, Total	1.5	J	5.0	0.60	ug/L	1		8260B	Total/NA

Client Sample ID: MW2-ROX-011416 — Lab Sample ID: 400-116360-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	34	J	50	20	ug/L	2		8260B	Total/NA
Benzene	18		2.0	0.76	ug/L	2		8260B	Total/NA
2-Butanone (MEK)	8.9	J	50	5.2	ug/L	2		8260B	Total/NA
Ethylbenzene	220		2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	49		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	110		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	27		2.0	2.0	ug/L	2		8260B	Total/NA
n-Butylbenzene	5.7		2.0	1.5	ug/L	2		8260B	Total/NA
N-Propylbenzene	63		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	10		10	1.2	ug/L	2		8260B	Total/NA
p-Isopropyltoluene	4.6		2.0	1.4	ug/L	2		8260B	Total/NA
sec-Butylbenzene	3.9		2.0	1.4	ug/L	2		8260B	Total/NA
Toluene	12		2.0	1.4	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	50		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	72		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	120		10	1.2	ug/L	2		8260B	Total/NA
1-Methylnaphthalene	11		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	13		0.20	0.020	ug/L	1		8270D LL	Total/NA
3 & 4 Methylphenol	1.0	J	20	1.0	ug/L	1		8270D	Total/NA

Client Sample ID: MW2-ROX-011416-UN — Lab Sample ID: 400-116360-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	40	J	50	20	ug/L	2		8260B	Total/NA
Benzene	18		2.0	0.76	ug/L	2		8260B	Total/NA
2-Butanone (MEK)	18	J	50	5.2	ug/L	2		8260B	Total/NA
Ethylbenzene	200		2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	40		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	120		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	25		2.0	2.0	ug/L	2		8260B	Total/NA
n-Butylbenzene	5.9		2.0	1.5	ug/L	2		8260B	Total/NA
N-Propylbenzene	43		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	11		10	1.2	ug/L	2		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: MW8-ROX-011416 — Lab Sample ID: 400-116360-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	300000		2000	760	ug/L	2000		8260B	Total/NA
1-Methylnaphthalene	15		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	7.0		0.20	0.020	ug/L	1		8270D LL	Total/NA
2,4-Dimethylphenol	8.0	J	10	3.5	ug/L	1		8270D	Total/NA
Indene	2.3	J	10	1.0	ug/L	1		8270D	Total/NA
2-Methylphenol	7.7	J	10	1.8	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	16	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	220		100	26	ug/L	10		8270D	Total/NA

Client Sample ID: MW7-ROX-011416 — Lab Sample ID: 400-116360-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	740000		5000	1900	ug/L	5000		8260B	Total/NA
Acenaphthene	0.19	J	0.20	0.020	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.41		0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	4.0		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	5.3		0.20	0.020	ug/L	1		8270D LL	Total/NA
Benzoic acid	18	J	30	7.3	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	3.5	J	10	3.5	ug/L	1		8270D	Total/NA
Indene	1.8	J	10	1.0	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	1.7	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	180		50	13	ug/L	5		8270D	Total/NA

Client Sample ID: MW7-ROX-011416-DUP — Lab Sample ID: 400-116360-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	700000		5000	1900	ug/L	5000		8260B	Total/NA
Acenaphthene	0.23		0.20	0.020	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.56		0.20	0.020	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	4.8		0.20	0.020	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	6.1		0.20	0.020	ug/L	1		8270D LL	Total/NA
Benzoic acid	22	J	30	7.3	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	3.6	J	10	3.5	ug/L	1		8270D	Total/NA
Indene	1.9	J	10	1.0	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	2.0	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	320		100	26	ug/L	10		8270D	Total/NA

Client Sample ID: TB-ROX-011416-8011-A — Lab Sample ID: 400-116360-14

No Detections.

Client Sample ID: TB-ROX-011416-8260-A — Lab Sample ID: 400-116360-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW5-ROX-011416

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 13:37	1
Acrolein	ND		20	10	ug/L			01/20/16 13:37	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 13:37	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 13:37	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 13:37	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 13:37	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 13:37	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 13:37	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 13:37	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 13:37	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 13:37	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 13:37	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 13:37	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 13:37	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 13:37	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 13:37	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 13:37	1
Dichlorodifluoromethane	ND		1.0	0.86	ug/L			01/20/16 13:37	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 13:37	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 13:37	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 13:37	1
Isopropylbenzene	1.7		1.0	0.53	ug/L			01/20/16 13:37	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 13:37	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 13:37	1
Methyl tert-butyl ether	10		1.0	0.74	ug/L			01/20/16 13:37	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 13:37	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 13:37	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 13:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 13:37	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 13:37	1
o-Xylene	ND		5.0	0.80	ug/L			01/20/16 13:37	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 13:37	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 13:37	1

Client Sample ID: MW5-ROX-011416

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 13:37	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 13:37	1
tert-Butylbenzene	**2.6**		1.0	0.63	ug/L			01/20/16 13:37	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 13:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 13:37	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 13:37	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 13:37	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 13:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 13:37	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 13:37	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 13:37	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 13:37	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 13:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 13:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 13:37	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 13:37	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 13:37	1
Xylenes, Total	**1.8**	**J**	5.0	0.60	ug/L			01/20/16 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/20/16 13:37*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/20/16 13:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/20/16 13:37*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 15:25	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 15:25	1
Phenanthrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*62*		*33 - 138*	*01/20/16 08:31*	*01/22/16 15:25*	*1*
2-Fluorobiphenyl	*89*		*15 - 122*	*01/20/16 08:31*	*01/22/16 15:25*	*1*

Client Sample ID: MW5-ROX-011416

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-1
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	88		19 - 130	01/20/16 08:31	01/22/16 15:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 19:15	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 19:15	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 19:15	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 19:15	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 19:15	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 19:15	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 19:15	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 19:15	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 19:15	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 19:15	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 19:15	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 19:15	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 19:15	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 19:15	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 19:15	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 19:15	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 19:15	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 19:15	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 19:15	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 19:15	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 19:15	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 19:15	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 19:15	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 19:15	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 19:15	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 19:15	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 19:15	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 19:15	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 19:15	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 19:15	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 19:15	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 19:15	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 19:15	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 19:15	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 19:15	1

Client Sample ID: MW5-ROX-011416

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 19:15	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 19:15	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 19:15	1
Phenol	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 19:15	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 19:15	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 19:15	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 19:15	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*34 - 120*	*01/20/16 08:31*	*01/21/16 19:15*	*1*
2-Fluorophenol	*70*		*10 - 120*	*01/20/16 08:31*	*01/21/16 19:15*	*1*
Nitrobenzene-d5	*104*		*27 - 120*	*01/20/16 08:31*	*01/21/16 19:15*	*1*
Phenol-d5	*73*		*10 - 120*	*01/20/16 08:31*	*01/21/16 19:15*	*1*
Terphenyl-d14	*70*		*53 - 125*	*01/20/16 08:31*	*01/21/16 19:15*	*1*
2,4,6-Tribromophenol	*91*		*15 - 135*	*01/20/16 08:31*	*01/21/16 19:15*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/19/16 13:53	01/19/16 19:23	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/19/16 13:53	01/19/16 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*51 - 149*	*01/19/16 13:53*	*01/19/16 19:23*	*1*

Client Sample ID: MW5-ROX-011416-UN

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19	J	25	10	ug/L			01/20/16 14:02	1
Acrolein	ND		20	10	ug/L			01/20/16 14:02	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 14:02	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 14:02	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 14:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 14:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 14:02	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 14:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 14:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 14:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 14:02	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 14:02	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 14:02	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 14:02	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:02	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 14:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 14:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 14:02	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 14:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 14:02	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 14:02	1
Isopropylbenzene	0.92	J	1.0	0.53	ug/L			01/20/16 14:02	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 14:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 14:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 14:02	1
Methyl tert-butyl ether	9.7		1.0	0.74	ug/L			01/20/16 14:02	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 14:02	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 14:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 14:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 14:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 14:02	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 14:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 14:02	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 14:02	1

Client Sample ID: MW5-ROX-011416-UN

Lab Sample ID: 400-116360-2

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 14:02	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 14:02	1
tert-Butylbenzene	2.1		1.0	0.63	ug/L			01/20/16 14:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 14:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 14:02	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 14:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 14:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 14:02	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:02	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 14:02	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 14:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 14:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 14:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 14:02	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 14:02	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 14:02	1
Xylenes, Total	1.5	J	5.0	0.60	ug/L			01/20/16 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/20/16 14:02*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/20/16 14:02*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/20/16 14:02*	*1*

Client Sample ID: MW2-ROX-011416

Lab Sample ID: 400-116360-3

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	34	J	50	20	ug/L			01/20/16 16:29	2
Acrolein	ND		40	20	ug/L			01/20/16 16:29	2
Acrylonitrile	ND		20	5.6	ug/L			01/20/16 16:29	2
Benzene	18		2.0	0.76	ug/L			01/20/16 16:29	2
Bromobenzene	ND		2.0	1.1	ug/L			01/20/16 16:29	2
Bromochloromethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Bromodichloromethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Bromoform	ND		10	1.4	ug/L			01/20/16 16:29	2
Bromomethane	ND		2.0	2.0	ug/L			01/20/16 16:29	2
2-Butanone (MEK)	8.9	J	50	5.2	ug/L			01/20/16 16:29	2
Carbon disulfide	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Chlorobenzene	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Dibromochloromethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Chloroethane	ND		2.0	1.5	ug/L			01/20/16 16:29	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			01/20/16 16:29	2
Chloroform	ND		2.0	1.2	ug/L			01/20/16 16:29	2
1-Chlorohexane	ND		2.0	1.4	ug/L			01/20/16 16:29	2
Chloromethane	ND		2.0	1.7	ug/L			01/20/16 16:29	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:29	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			01/20/16 16:29	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			01/20/16 16:29	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			01/20/16 16:29	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			01/20/16 16:29	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Ethylbenzene	220		2.0	1.0	ug/L			01/20/16 16:29	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			01/20/16 16:29	2
Hexachlorobutadiene	ND		10	1.8	ug/L			01/20/16 16:29	2
2-Hexanone	ND		50	6.2	ug/L			01/20/16 16:29	2
Isopropylbenzene	49		2.0	1.1	ug/L			01/20/16 16:29	2
Methylene bromide	ND		10	1.2	ug/L			01/20/16 16:29	2
Methylene Chloride	ND		10	6.0	ug/L			01/20/16 16:29	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			01/20/16 16:29	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			01/20/16 16:29	2
m-Xylene & p-Xylene	110		10	3.2	ug/L			01/20/16 16:29	2
Naphthalene	27		2.0	2.0	ug/L			01/20/16 16:29	2
n-Butylbenzene	5.7		2.0	1.5	ug/L			01/20/16 16:29	2
N-Propylbenzene	63		2.0	1.4	ug/L			01/20/16 16:29	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			01/20/16 16:29	2
o-Xylene	10		10	1.2	ug/L			01/20/16 16:29	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			01/20/16 16:29	2
p-Isopropyltoluene	4.6		2.0	1.4	ug/L			01/20/16 16:29	2

Client Sample ID: MW2-ROX-011416

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	3.9		2.0	1.4	ug/L			01/20/16 16:29	2
Styrene	ND		2.0	2.0	ug/L			01/20/16 16:29	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			01/20/16 16:29	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Tetrachloroethene	ND		2.0	1.2	ug/L			01/20/16 16:29	2
Toluene	12		2.0	1.4	ug/L			01/20/16 16:29	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:29	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			01/20/16 16:29	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			01/20/16 16:29	2
1,2,4-Trichlorobenzene	ND		2.0	1.8	ug/L			01/20/16 16:29	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			01/20/16 16:29	2
Trichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			01/20/16 16:29	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			01/20/16 16:29	2
1,2,4-Trimethylbenzene	50		2.0	1.6	ug/L			01/20/16 16:29	2
1,3,5-Trimethylbenzene	72		2.0	1.1	ug/L			01/20/16 16:29	2
Vinyl acetate	ND		50	4.0	ug/L			01/20/16 16:29	2
Vinyl chloride	ND		2.0	1.0	ug/L			01/20/16 16:29	2
Xylenes, Total	120		10	1.2	ug/L			01/20/16 16:29	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/20/16 16:29*	*2*
Dibromofluoromethane	*96*		*81 - 121*		*01/20/16 16:29*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/20/16 16:29*	*2*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 16:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:03	1
Phenanthrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1
1-Methylnaphthalene	11		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1
2-Methylnaphthalene	13		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*51*		*33 - 138*	*01/20/16 08:31*	*01/22/16 16:03*	*1*
2-Fluorobiphenyl	*83*		*15 - 122*	*01/20/16 08:31*	*01/22/16 16:03*	*1*

Client Sample ID: MW2-ROX-011416

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-3

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		19 - 130	01/20/16 08:31	01/22/16 16:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 19:55	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 19:55	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 19:55	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 19:55	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 19:55	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 19:55	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 19:55	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 19:55	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 19:55	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 19:55	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 19:55	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 19:55	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 19:55	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 19:55	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 19:55	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 19:55	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 19:55	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 19:55	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 19:55	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 19:55	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 19:55	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 19:55	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 19:55	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 19:55	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 19:55	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 19:55	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 19:55	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 19:55	1
3 & 4 Methylphenol	1.0	J	20	1.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 19:55	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 19:55	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 19:55	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 19:55	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 19:55	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 19:55	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 19:55	1

Client Sample ID: MW2-ROX-011416

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 19:55	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 19:55	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 19:55	1
Phenol	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 19:55	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 19:55	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 19:55	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 19:55	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*34 - 120*	*01/20/16 08:31*	*01/21/16 19:55*	*1*
2-Fluorophenol	*70*		*10 - 120*	*01/20/16 08:31*	*01/21/16 19:55*	*1*
Nitrobenzene-d5	*98*		*27 - 120*	*01/20/16 08:31*	*01/21/16 19:55*	*1*
Phenol-d5	*73*		*10 - 120*	*01/20/16 08:31*	*01/21/16 19:55*	*1*
Terphenyl-d14	*59*		*53 - 125*	*01/20/16 08:31*	*01/21/16 19:55*	*1*
2,4,6-Tribromophenol	*96*		*15 - 135*	*01/20/16 08:31*	*01/21/16 19:55*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/19/16 13:53	01/19/16 19:53	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		01/19/16 13:53	01/19/16 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*01/19/16 13:53*	*01/19/16 19:53*	*1*

Client Sample ID: MW2-ROX-011416-UN

Lab Sample ID: 400-116360-4

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	40	J	50	20	ug/L			01/20/16 16:54	2
Acrolein	ND		40	20	ug/L			01/20/16 16:54	2
Acrylonitrile	ND		20	5.6	ug/L			01/20/16 16:54	2
Benzene	18		2.0	0.76	ug/L			01/20/16 16:54	2
Bromobenzene	ND		2.0	1.1	ug/L			01/20/16 16:54	2
Bromochloromethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Bromodichloromethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Bromoform	ND		10	1.4	ug/L			01/20/16 16:54	2
Bromomethane	ND		2.0	2.0	ug/L			01/20/16 16:54	2
2-Butanone (MEK)	18	J	50	5.2	ug/L			01/20/16 16:54	2
Carbon disulfide	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Chlorobenzene	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Chloroethane	ND		2.0	1.5	ug/L			01/20/16 16:54	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			01/20/16 16:54	2
Chloroform	ND		2.0	1.2	ug/L			01/20/16 16:54	2
1-Chlorohexane	ND		2.0	1.4	ug/L			01/20/16 16:54	2
Chloromethane	ND		2.0	1.7	ug/L			01/20/16 16:54	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:54	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			01/20/16 16:54	2
Dibromochloromethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			01/20/16 16:54	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			01/20/16 16:54	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			01/20/16 16:54	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Ethylbenzene	200		2.0	1.0	ug/L			01/20/16 16:54	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			01/20/16 16:54	2
Hexachlorobutadiene	ND		10	1.8	ug/L			01/20/16 16:54	2
2-Hexanone	ND		50	6.2	ug/L			01/20/16 16:54	2
Isopropylbenzene	40		2.0	1.1	ug/L			01/20/16 16:54	2
Methylene bromide	ND		10	1.2	ug/L			01/20/16 16:54	2
Methylene Chloride	ND		10	6.0	ug/L			01/20/16 16:54	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			01/20/16 16:54	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			01/20/16 16:54	2
m-Xylene & p-Xylene	120		10	3.2	ug/L			01/20/16 16:54	2
Naphthalene	25		2.0	2.0	ug/L			01/20/16 16:54	2
n-Butylbenzene	5.9		2.0	1.5	ug/L			01/20/16 16:54	2
N-Propylbenzene	43		2.0	1.4	ug/L			01/20/16 16:54	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			01/20/16 16:54	2
o-Xylene	11		10	1.2	ug/L			01/20/16 16:54	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			01/20/16 16:54	2
p-Isopropyltoluene	5.1		2.0	1.4	ug/L			01/20/16 16:54	2

Client Sample ID: MW2-ROX-011416-UN

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	3.3		2.0	1.4	ug/L			01/20/16 16:54	2
Styrene	ND		2.0	2.0	ug/L			01/20/16 16:54	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			01/20/16 16:54	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Tetrachloroethene	ND		2.0	1.2	ug/L			01/20/16 16:54	2
Toluene	13		2.0	1.4	ug/L			01/20/16 16:54	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:54	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			01/20/16 16:54	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			01/20/16 16:54	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			01/20/16 16:54	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			01/20/16 16:54	2
Trichloroethene	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			01/20/16 16:54	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			01/20/16 16:54	2
1,2,4-Trimethylbenzene	54		2.0	1.6	ug/L			01/20/16 16:54	2
1,3,5-Trimethylbenzene	80		2.0	1.1	ug/L			01/20/16 16:54	2
Vinyl acetate	ND		50	4.0	ug/L			01/20/16 16:54	2
Vinyl chloride	ND		2.0	1.0	ug/L			01/20/16 16:54	2
Xylenes, Total	130		10	1.2	ug/L			01/20/16 16:54	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*01/20/16 16:54*	*2*
Dibromofluoromethane	*95*		*81 - 121*		*01/20/16 16:54*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/20/16 16:54*	*2*

Client Sample ID: ROST3MW-011416

Lab Sample ID: 400-116360-5

Date Collected: 01/14/16 13:35
Date Received: 01/15/16 10:29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 14:26	1
Acrolein	ND		20	10	ug/L			01/20/16 14:26	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 14:26	1
Benzene	1.2		1.0	0.38	ug/L			01/20/16 14:26	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 14:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 14:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 14:26	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 14:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 14:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 14:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 14:26	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 14:26	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 14:26	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 14:26	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 14:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 14:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 14:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Ethylbenzene	27		1.0	0.50	ug/L			01/20/16 14:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 14:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 14:26	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 14:26	1
Isopropylbenzene	1.6		1.0	0.53	ug/L			01/20/16 14:26	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 14:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 14:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 14:26	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 14:26	1
m-Xylene & p-Xylene	40		5.0	1.6	ug/L			01/20/16 14:26	1
Naphthalene	7.1		1.0	1.0	ug/L			01/20/16 14:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 14:26	1
N-Propylbenzene	1.8		1.0	0.69	ug/L			01/20/16 14:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 14:26	1
o-Xylene	7.7		5.0	0.60	ug/L			01/20/16 14:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 14:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 14:26	1

Client Sample ID: ROST3MW-011416

Date Collected: 01/14/16 13:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 14:26	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 14:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 14:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 14:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 14:26	1
Toluene	1.6		1.0	0.70	ug/L			01/20/16 14:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:26	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 14:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 14:26	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:26	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 14:26	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 14:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 14:26	1
1,2,4-Trimethylbenzene	8.0		1.0	0.82	ug/L			01/20/16 14:26	1
1,3,5-Trimethylbenzene	1.5		1.0	0.56	ug/L			01/20/16 14:26	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 14:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 14:26	1
Xylenes, Total	47		5.0	0.60	ug/L			01/20/16 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/20/16 14:26*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/20/16 14:26*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/20/16 14:26*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 16:40	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 16:40	1
Phenanthrene	0.096	J	0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1
1-Methylnaphthalene	1.7		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1
2-Methylnaphthalene	1.4		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*78*		*33 - 138*	*01/20/16 08:31*	*01/22/16 16:40*	*1*
2-Fluorobiphenyl	*86*		*15 - 122*	*01/20/16 08:31*	*01/22/16 16:40*	*1*

Client Sample ID: ROST3MW-011416

Lab Sample ID: 400-116360-5

Date Collected: 01/14/16 13:35
Date Received: 01/15/16 10:29

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	88		19 - 130	01/20/16 08:31	01/22/16 16:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 20:35	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 20:35	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 20:35	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 20:35	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 20:35	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 20:35	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 20:35	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 20:35	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 20:35	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 20:35	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 20:35	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 20:35	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 20:35	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 20:35	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 20:35	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 20:35	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 20:35	1
Dimethyl phthalate	ND		10	0.80	ug/L		01/20/16 08:31	01/21/16 20:35	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 20:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 20:35	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 20:35	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 20:35	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 20:35	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 20:35	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 20:35	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 20:35	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 20:35	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 20:35	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 20:35	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 20:35	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 20:35	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 20:35	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 20:35	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 20:35	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 20:35	1

Client Sample ID: ROST3MW-011416

Date Collected: 01/14/16 13:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 20:35	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 20:35	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 20:35	1
Phenol	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 20:35	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 20:35	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 20:35	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 20:35	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*34 - 120*	*01/20/16 08:31*	*01/21/16 20:35*	*1*
2-Fluorophenol	*70*		*10 - 120*	*01/20/16 08:31*	*01/21/16 20:35*	*1*
Nitrobenzene-d5	*99*		*27 - 120*	*01/20/16 08:31*	*01/21/16 20:35*	*1*
Phenol-d5	*74*		*10 - 120*	*01/20/16 08:31*	*01/21/16 20:35*	*1*
Terphenyl-d14	*79*		*53 - 125*	*01/20/16 08:31*	*01/21/16 20:35*	*1*
2,4,6-Tribromophenol	*99*		*15 - 135*	*01/20/16 08:31*	*01/21/16 20:35*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/19/16 13:53	01/19/16 20:22	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/19/16 13:53	01/19/16 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*01/19/16 13:53*	*01/19/16 20:22*	*1*

Client Sample ID: MW28-ROX-011416

Date Collected: 01/14/16 14:20
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	18	J	25	10	ug/L			01/20/16 14:51	1
Acrolein	ND		20	10	ug/L			01/20/16 14:51	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 14:51	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 14:51	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 14:51	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 14:51	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 14:51	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 14:51	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 14:51	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 14:51	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 14:51	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 14:51	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 14:51	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 14:51	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:51	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 14:51	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 14:51	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 14:51	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 14:51	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 14:51	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 14:51	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 14:51	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 14:51	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 14:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 14:51	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 14:51	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/L			01/20/16 14:51	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 14:51	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 14:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 14:51	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 14:51	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 14:51	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 14:51	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 14:51	1

Client Sample ID: MW28-ROX-011416

Date Collected: 01/14/16 14:20
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 14:51	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 14:51	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 14:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 14:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 14:51	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 14:51	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 14:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 14:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 14:51	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 14:51	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 14:51	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 14:51	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 14:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 14:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 14:51	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 14:51	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 14:51	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/20/16 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/20/16 14:51*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/20/16 14:51*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/20/16 14:51*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 17:17	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:17	1
Phenanthrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*81*		*33 - 138*	*01/20/16 08:31*	*01/22/16 17:17*	*1*
2-Fluorobiphenyl	*89*		*15 - 122*	*01/20/16 08:31*	*01/22/16 17:17*	*1*

Client Sample ID: MW28-ROX-011416

Date Collected: 01/14/16 14:20
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-6

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*85*		*19 - 130*	*01/20/16 08:31*	*01/22/16 17:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 21:15	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 21:15	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 21:15	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 21:15	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 21:15	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 21:15	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 21:15	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 21:15	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 21:15	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 21:15	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 21:15	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 21:15	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 21:15	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 21:15	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 21:15	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 21:15	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 21:15	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 21:15	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 21:15	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 21:15	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 21:15	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 21:15	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 21:15	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 21:15	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 21:15	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 21:15	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 21:15	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 21:15	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 21:15	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 21:15	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 21:15	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 21:15	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 21:15	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 21:15	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 21:15	1

Client Sample ID: MW28-ROX-011416

Date Collected: 01/14/16 14:20
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 21:15	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 21:15	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 21:15	1
Phenol	13		10	2.6	ug/L		01/20/16 08:31	01/21/16 21:15	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 21:15	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 21:15	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 21:15	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*34 - 120*	*01/20/16 08:31*	*01/21/16 21:15*	*1*
2-Fluorophenol	*70*		*10 - 120*	*01/20/16 08:31*	*01/21/16 21:15*	*1*
Nitrobenzene-d5	*103*		*27 - 120*	*01/20/16 08:31*	*01/21/16 21:15*	*1*
Phenol-d5	*81*		*10 - 120*	*01/20/16 08:31*	*01/21/16 21:15*	*1*
Terphenyl-d14	*89*		*53 - 125*	*01/20/16 08:31*	*01/21/16 21:15*	*1*
2,4,6-Tribromophenol	*100*		*15 - 135*	*01/20/16 08:31*	*01/21/16 21:15*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/19/16 13:53	01/19/16 20:52	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/19/16 13:53	01/19/16 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*01/19/16 13:53*	*01/19/16 20:52*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: TB-ROX-011416-8011-B

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-7

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/19/16 13:53	01/19/16 21:21	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/19/16 13:53	01/19/16 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*01/19/16 13:53*	*01/19/16 21:21*	*1*

Client Sample ID: TB-ROX-011416-8260-B

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 15:16	1
Acrolein	ND		20	10	ug/L			01/20/16 15:16	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 15:16	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 15:16	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 15:16	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 15:16	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 15:16	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 15:16	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 15:16	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Chloroethane	ND		1.0	0.78	ug/L			01/20/16 15:16	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 15:16	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 15:16	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 15:16	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 15:16	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 15:16	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 15:16	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 15:16	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 15:16	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 15:16	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 15:16	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 15:16	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 15:16	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 15:16	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 15:16	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 15:16	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 15:16	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 15:16	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 15:16	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 15:16	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 15:16	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 15:16	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 15:16	1

Client Sample ID: TB-ROX-011416-8260-B

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 15:16	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 15:16	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 15:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 15:16	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 15:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 15:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 15:16	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 15:16	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 15:16	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 15:16	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 15:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 15:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 15:16	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 15:16	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 15:16	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/20/16 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*01/20/16 15:16*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/20/16 15:16*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/20/16 15:16*	*1*

Client Sample ID: TB-ROX-011416-UN

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 15:40	1
Acrolein	ND		20	10	ug/L			01/20/16 15:40	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 15:40	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 15:40	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 15:40	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 15:40	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 15:40	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 15:40	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 15:40	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 15:40	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 15:40	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 15:40	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 15:40	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 15:40	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 15:40	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 15:40	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 15:40	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 15:40	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 15:40	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 15:40	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 15:40	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 15:40	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 15:40	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 15:40	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 15:40	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 15:40	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 15:40	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 15:40	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 15:40	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 15:40	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 15:40	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 15:40	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 15:40	1

Client Sample ID: TB-ROX-011416-UN

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 15:40	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 15:40	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 15:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 15:40	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 15:40	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 15:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 15:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 15:40	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 15:40	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 15:40	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 15:40	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 15:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 15:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 15:40	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 15:40	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 15:40	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/20/16 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/20/16 15:40*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/20/16 15:40*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/20/16 15:40*	*1*

Client Sample ID: MW25-ROX-011416

Date Collected: 01/14/16 10:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			01/20/16 17:19	20
Acrolein	ND		400	200	ug/L			01/20/16 17:19	20
Acrylonitrile	ND		200	56	ug/L			01/20/16 17:19	20
Benzene	2200		20	7.6	ug/L			01/20/16 17:19	20
Bromobenzene	ND		20	11	ug/L			01/20/16 17:19	20
Bromochloromethane	ND		20	10	ug/L			01/20/16 17:19	20
Bromodichloromethane	ND		20	10	ug/L			01/20/16 17:19	20
Bromoform	ND		100	14	ug/L			01/20/16 17:19	20
Bromomethane	ND		20	20	ug/L			01/20/16 17:19	20
2-Butanone (MEK)	ND		500	52	ug/L			01/20/16 17:19	20
Carbon disulfide	ND		20	10	ug/L			01/20/16 17:19	20
Carbon tetrachloride	ND		20	10	ug/L			01/20/16 17:19	20
Chlorobenzene	ND		20	10	ug/L			01/20/16 17:19	20
Dibromochloromethane	ND		20	10	ug/L			01/20/16 17:19	20
Chloroethane	ND		20	15	ug/L			01/20/16 17:19	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			01/20/16 17:19	20
Chloroform	ND		20	12	ug/L			01/20/16 17:19	20
1-Chlorohexane	ND		20	14	ug/L			01/20/16 17:19	20
Chloromethane	ND		20	17	ug/L			01/20/16 17:19	20
cis-1,2-Dichloroethene	ND		20	10	ug/L			01/20/16 17:19	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			01/20/16 17:19	20
1,2-Dichlorobenzene	ND		20	10	ug/L			01/20/16 17:19	20
1,3-Dichlorobenzene	ND		20	11	ug/L			01/20/16 17:19	20
1,4-Dichlorobenzene	ND		20	13	ug/L			01/20/16 17:19	20
Dichlorodifluoromethane	ND		20	17	ug/L			01/20/16 17:19	20
1,1-Dichloroethane	ND		20	10	ug/L			01/20/16 17:19	20
1,2-Dichloroethane	ND		20	10	ug/L			01/20/16 17:19	20
1,1-Dichloroethene	ND		20	10	ug/L			01/20/16 17:19	20
1,2-Dichloropropane	ND		20	10	ug/L			01/20/16 17:19	20
1,3-Dichloropropane	ND		20	10	ug/L			01/20/16 17:19	20
2,2-Dichloropropane	ND		20	10	ug/L			01/20/16 17:19	20
1,1-Dichloropropene	ND		20	10	ug/L			01/20/16 17:19	20
Ethylbenzene	ND		20	10	ug/L			01/20/16 17:19	20
Ethyl methacrylate	ND		20	12	ug/L			01/20/16 17:19	20
Hexachlorobutadiene	ND		100	18	ug/L			01/20/16 17:19	20
2-Hexanone	ND		500	62	ug/L			01/20/16 17:19	20
Isopropylbenzene	ND		20	11	ug/L			01/20/16 17:19	20
Methylene bromide	ND		100	12	ug/L			01/20/16 17:19	20
Methylene Chloride	ND		100	60	ug/L			01/20/16 17:19	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			01/20/16 17:19	20
Methyl tert-butyl ether	42		20	15	ug/L			01/20/16 17:19	20
m-Xylene & p-Xylene	ND		100	32	ug/L			01/20/16 17:19	20
Naphthalene	ND		20	20	ug/L			01/20/16 17:19	20
n-Butylbenzene	ND		20	15	ug/L			01/20/16 17:19	20
N-Propylbenzene	ND		20	14	ug/L			01/20/16 17:19	20
o-Chlorotoluene	ND		20	11	ug/L			01/20/16 17:19	20
o-Xylene	ND		100	12	ug/L			01/20/16 17:19	20
p-Chlorotoluene	ND		20	11	ug/L			01/20/16 17:19	20
p-Isopropyltoluene	ND		20	14	ug/L			01/20/16 17:19	20

Client Sample ID: MW25-ROX-011416

Date Collected: 01/14/16 10:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		20	14	ug/L			01/20/16 17:19	20
Styrene	ND		20	20	ug/L			01/20/16 17:19	20
tert-Butylbenzene	ND		20	13	ug/L			01/20/16 17:19	20
1,1,1,2-Tetrachloroethane	ND		20	10	ug/L			01/20/16 17:19	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			01/20/16 17:19	20
Tetrachloroethene	ND		20	12	ug/L			01/20/16 17:19	20
Toluene	ND		20	14	ug/L			01/20/16 17:19	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			01/20/16 17:19	20
trans-1,3-Dichloropropene	ND		100	10	ug/L			01/20/16 17:19	20
1,2,3-Trichlorobenzene	ND		20	14	ug/L			01/20/16 17:19	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			01/20/16 17:19	20
1,1,1-Trichloroethane	ND		20	10	ug/L			01/20/16 17:19	20
1,1,2-Trichloroethane	ND		100	10	ug/L			01/20/16 17:19	20
Trichloroethene	ND		20	10	ug/L			01/20/16 17:19	20
Trichlorofluoromethane	ND		20	10	ug/L			01/20/16 17:19	20
1,2,3-Trichloropropane	ND		100	17	ug/L			01/20/16 17:19	20
1,2,4-Trimethylbenzene	ND		20	16	ug/L			01/20/16 17:19	20
1,3,5-Trimethylbenzene	ND		20	11	ug/L			01/20/16 17:19	20
Vinyl acetate	ND		500	40	ug/L			01/20/16 17:19	20
Vinyl chloride	ND		20	10	ug/L			01/20/16 17:19	20
Xylenes, Total	ND		100	12	ug/L			01/20/16 17:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/20/16 17:19*	*20*
Dibromofluoromethane	*93*		*81 - 121*		*01/20/16 17:19*	*20*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/20/16 17:19*	*20*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 17:54	1
Phenanthrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1
1-Methylnaphthalene	0.40		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1
2-Methylnaphthalene	0.17	J	0.20	0.020	ug/L		01/20/16 08:31	01/22/16 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*33 - 138*	*01/20/16 08:31*	*01/22/16 17:54*	*1*
2-Fluorobiphenyl	*87*		*15 - 122*	*01/20/16 08:31*	*01/22/16 17:54*	*1*

Client Sample ID: MW25-ROX-011416

Lab Sample ID: 400-116360-10

Date Collected: 01/14/16 10:40
Matrix: Water
Date Received: 01/15/16 10:29

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		19 - 130	01/20/16 08:31	01/22/16 17:54	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 21:55	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 21:55	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 21:55	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 21:55	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 21:55	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 21:55	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 21:55	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 21:55	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 21:55	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 21:55	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 21:55	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 21:55	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 21:55	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 21:55	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 21:55	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 21:55	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 21:55	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 21:55	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 21:55	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 21:55	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 21:55	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 21:55	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 21:55	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 21:55	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 21:55	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 21:55	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 21:55	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 21:55	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 21:55	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 21:55	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 21:55	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 21:55	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 21:55	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 21:55	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 21:55	1

Client Sample ID: MW25-ROX-011416

Date Collected: 01/14/16 10:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 21:55	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 21:55	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 21:55	1
Phenol	49		10	2.6	ug/L		01/20/16 08:31	01/21/16 21:55	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 21:55	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 21:55	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 21:55	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*34 - 120*	*01/20/16 08:31*	*01/21/16 21:55*	*1*
2-Fluorophenol	*61*		*10 - 120*	*01/20/16 08:31*	*01/21/16 21:55*	*1*
Nitrobenzene-d5	*99*		*27 - 120*	*01/20/16 08:31*	*01/21/16 21:55*	*1*
Phenol-d5	*68*		*10 - 120*	*01/20/16 08:31*	*01/21/16 21:55*	*1*
Terphenyl-d14	*64*		*53 - 125*	*01/20/16 08:31*	*01/21/16 21:55*	*1*
2,4,6-Tribromophenol	*83*		*15 - 135*	*01/20/16 08:31*	*01/21/16 21:55*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/19/16 13:53	01/19/16 21:51	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/19/16 13:53	01/19/16 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*51 - 149*	*01/19/16 13:53*	*01/19/16 21:51*	*1*

Client Sample ID: MW8-ROX-011416

Date Collected: 01/14/16 11:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50000	20000	ug/L			01/20/16 17:43	2000
Acrolein	ND		40000	20000	ug/L			01/20/16 17:43	2000
Acrylonitrile	ND		20000	5600	ug/L			01/20/16 17:43	2000
Benzene	300000		2000	760	ug/L			01/20/16 17:43	2000
Bromobenzene	ND		2000	1100	ug/L			01/20/16 17:43	2000
Bromochloromethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
Bromodichloromethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
Bromoform	ND		10000	1400	ug/L			01/20/16 17:43	2000
Bromomethane	ND		2000	2000	ug/L			01/20/16 17:43	2000
2-Butanone (MEK)	ND		50000	5200	ug/L			01/20/16 17:43	2000
Carbon disulfide	ND		2000	1000	ug/L			01/20/16 17:43	2000
Carbon tetrachloride	ND		2000	1000	ug/L			01/20/16 17:43	2000
Chlorobenzene	ND		2000	1000	ug/L			01/20/16 17:43	2000
Dibromochloromethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
Chloroethane	ND		2000	1500	ug/L			01/20/16 17:43	2000
2-Chloroethyl vinyl ether	ND		10000	4000	ug/L			01/20/16 17:43	2000
Chloroform	ND		2000	1200	ug/L			01/20/16 17:43	2000
1-Chlorohexane	ND		2000	1400	ug/L			01/20/16 17:43	2000
Chloromethane	ND		2000	1700	ug/L			01/20/16 17:43	2000
cis-1,2-Dichloroethene	ND		2000	1000	ug/L			01/20/16 17:43	2000
cis-1,3-Dichloropropene	ND		10000	1000	ug/L			01/20/16 17:43	2000
1,2-Dichlorobenzene	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,3-Dichlorobenzene	ND		2000	1100	ug/L			01/20/16 17:43	2000
1,4-Dichlorobenzene	ND		2000	1300	ug/L			01/20/16 17:43	2000
Dichlorodifluoromethane	ND		2000	1700	ug/L			01/20/16 17:43	2000
1,1-Dichloroethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,2-Dichloroethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,1-Dichloroethene	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,2-Dichloropropane	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,3-Dichloropropane	ND		2000	1000	ug/L			01/20/16 17:43	2000
2,2-Dichloropropane	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,1-Dichloropropene	ND		2000	1000	ug/L			01/20/16 17:43	2000
Ethylbenzene	ND		2000	1000	ug/L			01/20/16 17:43	2000
Ethyl methacrylate	ND		2000	1200	ug/L			01/20/16 17:43	2000
Hexachlorobutadiene	ND		10000	1800	ug/L			01/20/16 17:43	2000
2-Hexanone	ND		50000	6200	ug/L			01/20/16 17:43	2000
Isopropylbenzene	ND		2000	1100	ug/L			01/20/16 17:43	2000
Methylene bromide	ND		10000	1200	ug/L			01/20/16 17:43	2000
Methylene Chloride	ND		10000	6000	ug/L			01/20/16 17:43	2000
4-Methyl-2-pentanone (MIBK)	ND		50000	3600	ug/L			01/20/16 17:43	2000
Methyl tert-butyl ether	ND		2000	1500	ug/L			01/20/16 17:43	2000
m-Xylene & p-Xylene	ND		10000	3200	ug/L			01/20/16 17:43	2000
Naphthalene	ND		2000	2000	ug/L			01/20/16 17:43	2000
n-Butylbenzene	ND		2000	1500	ug/L			01/20/16 17:43	2000
N-Propylbenzene	ND		2000	1400	ug/L			01/20/16 17:43	2000
o-Chlorotoluene	ND		2000	1100	ug/L			01/20/16 17:43	2000
o-Xylene	ND		10000	1200	ug/L			01/20/16 17:43	2000
p-Chlorotoluene	ND		2000	1100	ug/L			01/20/16 17:43	2000
p-Isopropyltoluene	ND		2000	1400	ug/L			01/20/16 17:43	2000

Client Sample ID: MW8-ROX-011416

Date Collected: 01/14/16 11:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2000	1400	ug/L			01/20/16 17:43	2000
Styrene	ND		2000	2000	ug/L			01/20/16 17:43	2000
tert-Butylbenzene	ND		2000	1300	ug/L			01/20/16 17:43	2000
1,1,1,2-Tetrachloroethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,1,2,2-Tetrachloroethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
Tetrachloroethene	ND		2000	1200	ug/L			01/20/16 17:43	2000
Toluene	ND		2000	1400	ug/L			01/20/16 17:43	2000
trans-1,2-Dichloroethene	ND		2000	1000	ug/L			01/20/16 17:43	2000
trans-1,3-Dichloropropene	ND		10000	1000	ug/L			01/20/16 17:43	2000
1,2,3-Trichlorobenzene	ND		2000	1400	ug/L			01/20/16 17:43	2000
1,2,4-Trichlorobenzene	ND		2000	1600	ug/L			01/20/16 17:43	2000
1,1,1-Trichloroethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,1,2-Trichloroethane	ND		10000	1000	ug/L			01/20/16 17:43	2000
Trichloroethene	ND		2000	1000	ug/L			01/20/16 17:43	2000
Trichlorofluoromethane	ND		2000	1000	ug/L			01/20/16 17:43	2000
1,2,3-Trichloropropane	ND		10000	1700	ug/L			01/20/16 17:43	2000
1,2,4-Trimethylbenzene	ND		2000	1600	ug/L			01/20/16 17:43	2000
1,3,5-Trimethylbenzene	ND		2000	1100	ug/L			01/20/16 17:43	2000
Vinyl acetate	ND		50000	4000	ug/L			01/20/16 17:43	2000
Vinyl chloride	ND		2000	1000	ug/L			01/20/16 17:43	2000
Xylenes, Total	ND		10000	1200	ug/L			01/20/16 17:43	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/20/16 17:43*	*2000*
Dibromofluoromethane	*93*		*81 - 121*		*01/20/16 17:43*	*2000*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/20/16 17:43*	*2000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 18:31	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 18:31	1
Phenanthrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1
1-Methylnaphthalene	15		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1
2-Methylnaphthalene	7.0		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*37*		*33 - 138*	*01/20/16 08:31*	*01/22/16 18:31*	*1*
2-Fluorobiphenyl	*74*		*15 - 122*	*01/20/16 08:31*	*01/22/16 18:31*	*1*

Client Sample ID: MW8-ROX-011416

Date Collected: 01/14/16 11:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-11

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		19 - 130	01/20/16 08:31	01/22/16 18:31	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 22:35	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 22:35	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 22:35	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 22:35	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 22:35	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 22:35	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 22:35	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 22:35	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 22:35	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 22:35	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 22:35	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 22:35	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 22:35	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 22:35	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 22:35	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 22:35	1
2,4-Dimethylphenol	**8.0**	**J**	10	3.5	ug/L		01/20/16 08:31	01/21/16 22:35	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 22:35	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 22:35	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 22:35	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 22:35	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 22:35	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 22:35	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 22:35	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 22:35	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 22:35	1
Indene	**2.3**	**J**	10	1.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 22:35	1
2-Methylphenol	**7.7**	**J**	10	1.8	ug/L		01/20/16 08:31	01/21/16 22:35	1
3 & 4 Methylphenol	**16**	**J**	20	1.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 22:35	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 22:35	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 22:35	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 22:35	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 22:35	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 22:35	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 22:35	1

Client Sample ID: MW8-ROX-011416

Date Collected: 01/14/16 11:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-11

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 22:35	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 22:35	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 22:35	1
Phenol	220		100	26	ug/L		01/20/16 08:31	01/22/16 23:16	10
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 22:35	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 22:35	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 22:35	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*34 - 120*	*01/20/16 08:31*	*01/21/16 22:35*	*1*
2-Fluorophenol	*73*		*10 - 120*	*01/20/16 08:31*	*01/21/16 22:35*	*1*
Nitrobenzene-d5	*86*		*27 - 120*	*01/20/16 08:31*	*01/21/16 22:35*	*1*
Phenol-d5	*69*		*10 - 120*	*01/20/16 08:31*	*01/21/16 22:35*	*1*
Terphenyl-d14	*42*		*53 - 125*	*01/20/16 08:31*	*01/21/16 22:35*	*1*
2,4,6-Tribromophenol	*94*		*15 - 135*	*01/20/16 08:31*	*01/21/16 22:35*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/19/16 13:53	01/19/16 22:20	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/19/16 13:53	01/19/16 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*51 - 149*	*01/19/16 13:53*	*01/19/16 22:20*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: MW7-ROX-011416

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130000	50000	ug/L			01/22/16 14:05	5000
Acrolein	ND		100000	50000	ug/L			01/22/16 14:05	5000
Acrylonitrile	ND		50000	14000	ug/L			01/22/16 14:05	5000
Benzene	740000		5000	1900	ug/L			01/22/16 14:05	5000
Bromobenzene	ND		5000	2700	ug/L			01/22/16 14:05	5000
Bromochloromethane	ND		5000	2600	ug/L			01/22/16 14:05	5000
Bromodichloromethane	ND		5000	2500	ug/L			01/22/16 14:05	5000
Bromoform	ND		25000	3600	ug/L			01/22/16 14:05	5000
Bromomethane	ND		5000	4900	ug/L			01/22/16 14:05	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			01/22/16 14:05	5000
Carbon disulfide	ND		5000	2500	ug/L			01/22/16 14:05	5000
Carbon tetrachloride	ND		5000	2500	ug/L			01/22/16 14:05	5000
Chlorobenzene	ND		5000	2500	ug/L			01/22/16 14:05	5000
Dibromochloromethane	ND		5000	2500	ug/L			01/22/16 14:05	5000
Chloroethane	ND		5000	3800	ug/L			01/22/16 14:05	5000
2-Chloroethyl vinyl ether	ND		25000	10000	ug/L			01/22/16 14:05	5000
Chloroform	ND		5000	3000	ug/L			01/22/16 14:05	5000
1-Chlorohexane	ND		5000	3500	ug/L			01/22/16 14:05	5000
Chloromethane	ND		5000	4200	ug/L			01/22/16 14:05	5000
cis-1,2-Dichloroethene	ND		5000	2500	ug/L			01/22/16 14:05	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			01/22/16 14:05	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			01/22/16 14:05	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			01/22/16 14:05	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			01/22/16 14:05	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			01/22/16 14:05	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			01/22/16 14:05	5000
1,2-Dichloroethane	ND		5000	2500	ug/L			01/22/16 14:05	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			01/22/16 14:05	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			01/22/16 14:05	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			01/22/16 14:05	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			01/22/16 14:05	5000
1,1-Dichloropropene	ND		5000	2500	ug/L			01/22/16 14:05	5000
Ethylbenzene	ND		5000	2500	ug/L			01/22/16 14:05	5000
Ethyl methacrylate	ND		5000	3000	ug/L			01/22/16 14:05	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			01/22/16 14:05	5000
2-Hexanone	ND		130000	16000	ug/L			01/22/16 14:05	5000
Isopropylbenzene	ND		5000	2700	ug/L			01/22/16 14:05	5000
Methylene bromide	ND		25000	3000	ug/L			01/22/16 14:05	5000
Methylene Chloride	ND		25000	15000	ug/L			01/22/16 14:05	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			01/22/16 14:05	5000
Methyl tert-butyl ether	ND		5000	3700	ug/L			01/22/16 14:05	5000
m-Xylene & p-Xylene	ND		25000	8000	ug/L			01/22/16 14:05	5000
Naphthalene	ND		5000	5000	ug/L			01/22/16 14:05	5000
n-Butylbenzene	ND		5000	3800	ug/L			01/22/16 14:05	5000
N-Propylbenzene	ND		5000	3500	ug/L			01/22/16 14:05	5000
o-Chlorotoluene	ND		5000	2900	ug/L			01/22/16 14:05	5000
o-Xylene	ND		25000	3000	ug/L			01/22/16 14:05	5000
p-Chlorotoluene	ND		5000	2800	ug/L			01/22/16 14:05	5000
p-Isopropyltoluene	ND		5000	3600	ug/L			01/22/16 14:05	5000

Client Sample ID: MW7-ROX-011416

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5000	3500	ug/L			01/22/16 14:05	5000
Styrene	ND		5000	5000	ug/L			01/22/16 14:05	5000
tert-Butylbenzene	ND		5000	3200	ug/L			01/22/16 14:05	5000
1,1,1,2-Tetrachloroethane	ND		5000	2600	ug/L			01/22/16 14:05	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			01/22/16 14:05	5000
Tetrachloroethene	ND		5000	2900	ug/L			01/22/16 14:05	5000
Toluene	ND		5000	3500	ug/L			01/22/16 14:05	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			01/22/16 14:05	5000
trans-1,3-Dichloropropene	ND		25000	2500	ug/L			01/22/16 14:05	5000
1,2,3-Trichlorobenzene	ND		5000	3500	ug/L			01/22/16 14:05	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			01/22/16 14:05	5000
1,1,1-Trichloroethane	ND		5000	2500	ug/L			01/22/16 14:05	5000
1,1,2-Trichloroethane	ND		25000	2500	ug/L			01/22/16 14:05	5000
Trichloroethene	ND		5000	2500	ug/L			01/22/16 14:05	5000
Trichlorofluoromethane	ND		5000	2600	ug/L			01/22/16 14:05	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			01/22/16 14:05	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			01/22/16 14:05	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			01/22/16 14:05	5000
Vinyl acetate	ND		130000	10000	ug/L			01/22/16 14:05	5000
Vinyl chloride	ND		5000	2500	ug/L			01/22/16 14:05	5000
Xylenes, Total	ND		25000	3000	ug/L			01/22/16 14:05	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*01/22/16 14:05*	*5000*
Dibromofluoromethane	*119*		*81 - 121*		*01/22/16 14:05*	*5000*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/22/16 14:05*	*5000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.19	J	0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 19:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:09	1
Phenanthrene	0.41		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1
1-Methylnaphthalene	4.0		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1
2-Methylnaphthalene	5.3		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*36*		*33 - 138*	*01/20/16 08:31*	*01/22/16 19:09*	*1*
2-Fluorobiphenyl	*70*		*15 - 122*	*01/20/16 08:31*	*01/22/16 19:09*	*1*

Client Sample ID: MW7-ROX-011416

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-12

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		19 - 130	01/20/16 08:31	01/22/16 19:09	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 23:15	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 23:15	1
Benzoic acid	18	J	30	7.3	ug/L		01/20/16 08:31	01/21/16 23:15	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 23:15	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 23:15	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 23:15	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 23:15	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 23:15	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 23:15	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 23:15	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 23:15	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 23:15	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 23:15	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 23:15	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 23:15	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 23:15	1
2,4-Dimethylphenol	3.5	J	10	3.5	ug/L		01/20/16 08:31	01/21/16 23:15	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 23:15	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 23:15	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 23:15	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 23:15	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 23:15	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 23:15	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 23:15	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 23:15	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 23:15	1
Indene	1.8	J	10	1.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 23:15	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 23:15	1
3 & 4 Methylphenol	1.7	J	20	1.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 23:15	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 23:15	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 23:15	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 23:15	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 23:15	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 23:15	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 23:15	1

Client Sample ID: MW7-ROX-011416

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-12

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 23:15	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 23:15	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 23:15	1
Phenol	180		50	13	ug/L		01/20/16 08:31	01/22/16 23:52	5
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 23:15	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 23:15	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 23:15	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*34 - 120*	*01/20/16 08:31*	*01/21/16 23:15*	*1*
2-Fluorophenol	*64*		*10 - 120*	*01/20/16 08:31*	*01/21/16 23:15*	*1*
Nitrobenzene-d5	*81*		*27 - 120*	*01/20/16 08:31*	*01/21/16 23:15*	*1*
Phenol-d5	*65*		*10 - 120*	*01/20/16 08:31*	*01/21/16 23:15*	*1*
Terphenyl-d14	*43*	*X*	*53 - 125*	*01/20/16 08:31*	*01/21/16 23:15*	*1*
2,4,6-Tribromophenol	*91*		*15 - 135*	*01/20/16 08:31*	*01/21/16 23:15*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/19/16 13:53	01/19/16 23:19	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		01/19/16 13:53	01/19/16 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*51 - 149*	*01/19/16 13:53*	*01/19/16 23:19*	*1*

Client Sample ID: MW7-ROX-011416-DUP

Lab Sample ID: 400-116360-13
Matrix: Water

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130000	50000	ug/L			01/22/16 14:31	5000
Acrolein	ND		100000	50000	ug/L			01/22/16 14:31	5000
Acrylonitrile	ND		50000	14000	ug/L			01/22/16 14:31	5000
Benzene	700000		5000	1900	ug/L			01/22/16 14:31	5000
Bromobenzene	ND		5000	2700	ug/L			01/22/16 14:31	5000
Bromochloromethane	ND		5000	2600	ug/L			01/22/16 14:31	5000
Bromodichloromethane	ND		5000	2500	ug/L			01/22/16 14:31	5000
Bromoform	ND		25000	3600	ug/L			01/22/16 14:31	5000
Bromomethane	ND		5000	4900	ug/L			01/22/16 14:31	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			01/22/16 14:31	5000
Carbon disulfide	ND		5000	2500	ug/L			01/22/16 14:31	5000
Carbon tetrachloride	ND		5000	2500	ug/L			01/22/16 14:31	5000
Chlorobenzene	ND		5000	2500	ug/L			01/22/16 14:31	5000
Dibromochloromethane	ND		5000	2500	ug/L			01/22/16 14:31	5000
Chloroethane	ND		5000	3800	ug/L			01/22/16 14:31	5000
2-Chloroethyl vinyl ether	ND		25000	10000	ug/L			01/22/16 14:31	5000
Chloroform	ND		5000	3000	ug/L			01/22/16 14:31	5000
1-Chlorohexane	ND		5000	3500	ug/L			01/22/16 14:31	5000
Chloromethane	ND		5000	4200	ug/L			01/22/16 14:31	5000
cis-1,2-Dichloroethene	ND		5000	2500	ug/L			01/22/16 14:31	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			01/22/16 14:31	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			01/22/16 14:31	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			01/22/16 14:31	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			01/22/16 14:31	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			01/22/16 14:31	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			01/22/16 14:31	5000
1,2-Dichloroethane	ND		5000	2500	ug/L			01/22/16 14:31	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			01/22/16 14:31	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			01/22/16 14:31	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			01/22/16 14:31	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			01/22/16 14:31	5000
1,1-Dichloropropene	ND		5000	2500	ug/L			01/22/16 14:31	5000
Ethylbenzene	ND		5000	2500	ug/L			01/22/16 14:31	5000
Ethyl methacrylate	ND		5000	3000	ug/L			01/22/16 14:31	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			01/22/16 14:31	5000
2-Hexanone	ND		130000	16000	ug/L			01/22/16 14:31	5000
Isopropylbenzene	ND		5000	2700	ug/L			01/22/16 14:31	5000
Methylene bromide	ND		25000	3000	ug/L			01/22/16 14:31	5000
Methylene Chloride	ND		25000	15000	ug/L			01/22/16 14:31	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			01/22/16 14:31	5000
Methyl tert-butyl ether	ND		5000	3700	ug/L			01/22/16 14:31	5000
m-Xylene & p-Xylene	ND		25000	8000	ug/L			01/22/16 14:31	5000
Naphthalene	ND		5000	5000	ug/L			01/22/16 14:31	5000
n-Butylbenzene	ND		5000	3800	ug/L			01/22/16 14:31	5000
N-Propylbenzene	ND		5000	3500	ug/L			01/22/16 14:31	5000
o-Chlorotoluene	ND		5000	2900	ug/L			01/22/16 14:31	5000
o-Xylene	ND		25000	3000	ug/L			01/22/16 14:31	5000
p-Chlorotoluene	ND		5000	2800	ug/L			01/22/16 14:31	5000
p-Isopropyltoluene	ND		5000	3600	ug/L			01/22/16 14:31	5000

Client Sample ID: MW7-ROX-011416-DUP

Lab Sample ID: 400-116360-13

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5000	3500	ug/L			01/22/16 14:31	5000
Styrene	ND		5000	5000	ug/L			01/22/16 14:31	5000
tert-Butylbenzene	ND		5000	3200	ug/L			01/22/16 14:31	5000
1,1,1,2-Tetrachloroethane	ND		5000	2600	ug/L			01/22/16 14:31	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			01/22/16 14:31	5000
Tetrachloroethene	ND		5000	2900	ug/L			01/22/16 14:31	5000
Toluene	ND		5000	3500	ug/L			01/22/16 14:31	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			01/22/16 14:31	5000
trans-1,3-Dichloropropene	ND		25000	2500	ug/L			01/22/16 14:31	5000
1,2,3-Trichlorobenzene	ND		5000	3500	ug/L			01/22/16 14:31	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			01/22/16 14:31	5000
1,1,1-Trichloroethane	ND		5000	2500	ug/L			01/22/16 14:31	5000
1,1,2-Trichloroethane	ND		25000	2500	ug/L			01/22/16 14:31	5000
Trichloroethene	ND		5000	2500	ug/L			01/22/16 14:31	5000
Trichlorofluoromethane	ND		5000	2600	ug/L			01/22/16 14:31	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			01/22/16 14:31	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			01/22/16 14:31	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			01/22/16 14:31	5000
Vinyl acetate	ND		130000	10000	ug/L			01/22/16 14:31	5000
Vinyl chloride	ND		5000	2500	ug/L			01/22/16 14:31	5000
Xylenes, Total	ND		25000	3000	ug/L			01/22/16 14:31	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*01/22/16 14:31*	*5000*
Dibromofluoromethane	*121*		*81 - 121*		*01/22/16 14:31*	*5000*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/22/16 14:31*	*5000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.23		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 19:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 19:46	1
Phenanthrene	0.56		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1
1-Methylnaphthalene	4.8		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1
2-Methylnaphthalene	6.1		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*33 - 138*	*01/20/16 08:31*	*01/22/16 19:46*	*1*
2-Fluorobiphenyl	*82*		*15 - 122*	*01/20/16 08:31*	*01/22/16 19:46*	*1*

Client Sample ID: MW7-ROX-011416-DUP

Lab Sample ID: 400-116360-13

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		19 - 130	01/20/16 08:31	01/22/16 19:46	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 23:55	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 23:55	1
Benzoic acid	**22**	**J**	30	7.3	ug/L		01/20/16 08:31	01/21/16 23:55	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 23:55	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 23:55	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 23:55	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 23:55	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 23:55	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 23:55	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 23:55	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 23:55	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 23:55	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 23:55	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 23:55	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 23:55	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 23:55	1
2,4-Dimethylphenol	**3.6**	**J**	10	3.5	ug/L		01/20/16 08:31	01/21/16 23:55	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 23:55	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 23:55	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 23:55	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 23:55	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 23:55	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 23:55	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 23:55	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 23:55	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 23:55	1
Indene	**1.9**	**J**	10	1.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 23:55	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 23:55	1
3 & 4 Methylphenol	**2.0**	**J**	20	1.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 23:55	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 23:55	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 23:55	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 23:55	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 23:55	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 23:55	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 23:55	1

Client Sample ID: MW7-ROX-011416-DUP

Lab Sample ID: 400-116360-13

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 23:55	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 23:55	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 23:55	1
Phenol	320		100	26	ug/L		01/20/16 08:31	01/23/16 00:29	10
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 23:55	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 23:55	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 23:55	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*34 - 120*	*01/20/16 08:31*	*01/21/16 23:55*	*1*
2-Fluorophenol	*59*		*10 - 120*	*01/20/16 08:31*	*01/21/16 23:55*	*1*
Nitrobenzene-d5	*94*		*27 - 120*	*01/20/16 08:31*	*01/21/16 23:55*	*1*
Phenol-d5	*73*		*10 - 120*	*01/20/16 08:31*	*01/21/16 23:55*	*1*
Terphenyl-d14	*78*		*53 - 125*	*01/20/16 08:31*	*01/21/16 23:55*	*1*
2,4,6-Tribromophenol	*108*		*15 - 135*	*01/20/16 08:31*	*01/21/16 23:55*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/19/16 13:53	01/19/16 23:49	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/19/16 13:53	01/19/16 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*51 - 149*	*01/19/16 13:53*	*01/19/16 23:49*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: TB-ROX-011416-8011-A

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-14

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0054	ug/L		01/19/16 13:53	01/20/16 00:19	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/19/16 13:53	01/20/16 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*51 - 149*	*01/19/16 13:53*	*01/20/16 00:19*	*1*

6

Client Sample ID: TB-ROX-011416-8260-A

Lab Sample ID: 400-116360-15

Date Collected: 01/14/16 00:00
Matrix: Water
Date Received: 01/15/16 10:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 16:05	1
Acrolein	ND		20	10	ug/L			01/20/16 16:05	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 16:05	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 16:05	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 16:05	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 16:05	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 16:05	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 16:05	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 16:05	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 16:05	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 16:05	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 16:05	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 16:05	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 16:05	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 16:05	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 16:05	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 16:05	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 16:05	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 16:05	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 16:05	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 16:05	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 16:05	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 16:05	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 16:05	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 16:05	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 16:05	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 16:05	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 16:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 16:05	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 16:05	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 16:05	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 16:05	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 16:05	1

Client Sample ID: TB-ROX-011416-8260-A

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 16:05	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 16:05	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 16:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 16:05	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 16:05	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 16:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 16:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 16:05	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 16:05	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 16:05	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 16:05	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 16:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 16:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 16:05	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 16:05	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 16:05	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/20/16 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*01/20/16 16:05*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*01/20/16 16:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/20/16 16:05*	*1*

Qualifiers

GC/MS VOA

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

GC/MS Semi 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.
X	Surrogate is outside control limits

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116360-1	MW5-ROX-011416	99	95	98
400-116360-2	MW5-ROX-011416-UN	101	97	98
400-116360-3	MW2-ROX-011416	101	96	99
400-116360-4	MW2-ROX-011416-UN	103	95	100
400-116360-5	ROST3MW-011416	98	96	96
400-116360-6	MW28-ROX-011416	98	95	97
400-116360-8	TB-ROX-011416-8260-B	96	95	95
400-116360-9	TB-ROX-011416-UN	98	97	98
400-116360-10	MW25-ROX-011416	97	93	95
400-116360-11	MW8-ROX-011416	97	93	95
400-116360-12	MW7-ROX-011416	92	119	88
400-116360-13	MW7-ROX-011416-DUP	92	121	88
400-116360-15	TB-ROX-011416-8260-A	96	95	95
400-116557-A-1 MS	Matrix Spike	99	106	93
400-116557-A-1 MSD	Matrix Spike Duplicate	98	105	93
LCS 400-291032/1002	Lab Control Sample	96	100	97
LCS 400-291410/1002	Lab Control Sample	102	102	96
MB 400-291032/14	Method Blank	98	96	96
MB 400-291410/4	Method Blank	91	112	89

Surrogate Legend
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116413-B-1-A MS	Matrix Spike	97	103	98
400-116413-B-1-A MSD	Matrix Spike Duplicate	99	99	99

Surrogate Legend
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-136)
400-116360-1	MW5-ROX-011416	92	70	104	73	70	91
400-116360-3	MW2-ROX-011416	88	70	98	73	69	96
400-116360-5	ROST3MW-011416	88	70	99	74	79	99
400-116360-6	MW28-ROX-011416	91	70	103	81	89	100
400-116360-10	MW25-ROX-011416	89	61	99	68	64	83

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116360-11	MW8-ROX-011416	80	73	86	69	42 X	94
400-116360-12	MW7-ROX-011416	74	64	81	65	43 X	91
400-116360-13	MW7-ROX-011416-DUP	88	59	94	73	78	108
LCS 400-291056/2-A	Lab Control Sample	89	70	86	76	99	92
LCS 400-291056/4-A	Lab Control Sample	88	69	97	72	103	83
LCSD 400-291056/3-A	Lab Control Sample Dup	87	67	88	64	97	91
LCSD 400-291056/5-A	Lab Control Sample Dup	80	62	86	58	90	70
MB 400-291056/1-A	Method Blank	82	64	87	65	94	73

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116360-1	MW5-ROX-011416	62	89	88
400-116360-3	MW2-ROX-011416	51	83	72
400-116360-5	ROST3MW-011416	78	86	88
400-116360-6	MW28-ROX-011416	81	89	85
400-116360-10	MW25-ROX-011416	55	87	85
400-116360-11	MW8-ROX-011416	37	74	74
400-116360-12	MW7-ROX-011416	36	70	69
400-116360-13	MW7-ROX-011416-DUP	87	82	80
LCS 400-291056/2-A	Lab Control Sample	85	83	80
LCSD 400-291056/3-A	Lab Control Sample Dup	85	82	86
MB 400-291056/1-A	Method Blank	110	99	95

Surrogate Legend

TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-116360-1	MW5-ROX-011416	101
400-116360-3	MW2-ROX-011416	93
400-116360-5	ROST3MW-011416	93
400-116360-6	MW28-ROX-011416	90

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-116360-7	TB-ROX-011416-8011-B	82
400-116360-10	MW25-ROX-011416	96
400-116360-11	MW8-ROX-011416	86
400-116360-12	MW7-ROX-011416	101
400-116360-13	MW7-ROX-011416-DUP	102
400-116360-14	TB-ROX-011416-8011-A	87
LCS 400-290999/2-A	Lab Control Sample	85
LCSD 400-290999/3-A	Lab Control Sample Dup	92
MB 400-290999/1-A	Method Blank	90

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: MW5-ROX-011416

Lab Sample ID: 400-116360-1
Matrix: Water

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 13:37	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 19:15	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 15:25	CEP	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	34.8 mL	35 mL	291046	01/19/16 19:23	AM	TAL PEN

Client Sample ID: MW5-ROX-011416-UN

Lab Sample ID: 400-116360-2
Matrix: Water

Date Collected: 01/14/16 10:35
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 14:02	S1S	TAL PEN

Client Sample ID: MW2-ROX-011416

Lab Sample ID: 400-116360-3
Matrix: Water

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	291032	01/20/16 16:29	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 19:55	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 16:03	CEP	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.9 mL	35 mL	291046	01/19/16 19:53	AM	TAL PEN

Client Sample ID: MW2-ROX-011416-UN

Lab Sample ID: 400-116360-4
Matrix: Water

Date Collected: 01/14/16 11:40
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	291032	01/20/16 16:54	S1S	TAL PEN

Client Sample ID: ROST3MW-011416

Lab Sample ID: 400-116360-5
Matrix: Water

Date Collected: 01/14/16 13:35
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 14:26	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: ROST3MW-011416

Lab Sample ID: 400-116360-5
Matrix: Water

Date Collected: 01/14/16 13:35
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 20:35	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 16:40	CEP	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	291046	01/19/16 20:22	AM	TAL PEN

Client Sample ID: MW28-ROX-011416

Lab Sample ID: 400-116360-6
Matrix: Water

Date Collected: 01/14/16 14:20
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 14:51	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 21:15	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 17:17	CEP	TAL PEN
Total/NA	Prep	8011			35.2 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.2 mL	35 mL	291046	01/19/16 20:52	AM	TAL PEN

Client Sample ID: TB-ROX-011416-8011-B

Lab Sample ID: 400-116360-7
Matrix: Water

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.7 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.7 mL	35 mL	291046	01/19/16 21:21	AM	TAL PEN

Client Sample ID: TB-ROX-011416-8260-B

Lab Sample ID: 400-116360-8
Matrix: Water

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 15:16	S1S	TAL PEN

Client Sample ID: TB-ROX-011416-UN

Lab Sample ID: 400-116360-9
Matrix: Water

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 15:40	S1S	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: MW25-ROX-011416

Date Collected: 01/14/16 10:40
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	291032	01/20/16 17:19	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 21:55	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 17:54	CEP	TAL PEN
Total/NA	Prep	8011			35.8 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.8 mL	35 mL	291046	01/19/16 21:51	AM	TAL PEN

Client Sample ID: MW8-ROX-011416

Date Collected: 01/14/16 11:35
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2000	5 mL	5 mL	291032	01/20/16 17:43	S1S	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 22:35	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		10	1000 mL	1 mL	291330	01/22/16 23:16	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 18:31	CEP	TAL PEN
Total/NA	Prep	8011			34.6 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	34.6 mL	35 mL	291046	01/19/16 22:20	AM	TAL PEN

Client Sample ID: MW7-ROX-011416

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Lab Sample ID: 400-116360-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5000	5 mL	5 mL	291410	01/22/16 14:05	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 23:15	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		5	1000 mL	1 mL	291330	01/22/16 23:52	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 19:09	CEP	TAL PEN
Total/NA	Prep	8011			36 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	36 mL	35 mL	291046	01/19/16 23:19	AM	TAL PEN

Client Sample ID: MW7-ROX-011416-DUP

Lab Sample ID: 400-116360-13
Matrix: Water

Date Collected: 01/14/16 14:05
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5000	5 mL	5 mL	291410	01/22/16 14:31	CLN	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 23:55	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		10	1000 mL	1 mL	291330	01/23/16 00:29	TJB	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 19:46	CEP	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.6 mL	35 mL	291046	01/19/16 23:49	AM	TAL PEN

Client Sample ID: TB-ROX-011416-8011-A

Lab Sample ID: 400-116360-14
Matrix: Water

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.4 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.4 mL	35 mL	291046	01/20/16 00:19	AM	TAL PEN

Client Sample ID: TB-ROX-011416-8260-A

Lab Sample ID: 400-116360-15
Matrix: Water

Date Collected: 01/14/16 00:00
Date Received: 01/15/16 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 16:05	S1S	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290999/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	291046	01/19/16 18:24	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-291032/1002
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 08:03	S1S	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-291056/2-A

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 16:36	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291407	01/22/16 14:11	CEP	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-291056/4-A

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 17:55	KJA	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-291410/1002

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291410	01/22/16 12:35	CLN	TAL PEN

Client Sample ID: Lab Control Sample Dup — Lab Sample ID: LCSD 400-290999/3-A

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	291046	01/19/16 18:54	AM	TAL PEN

Client Sample ID: Lab Control Sample Dup — Lab Sample ID: LCSD 400-291056/3-A

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 17:16	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291407	01/22/16 14:48	CEP	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-291056/5-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 18:35	KJA	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-290999/1-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	291046	01/19/16 17:54	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-291032/14
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291032	01/20/16 09:06	S1S	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-291056/1-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 15:56	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 13:33	CEP	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-291410/4
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291410	01/22/16 13:39	CLN	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 291032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-1	MW5-ROX-011416	Total/NA	Water	8260B	
400-116360-2	MW5-ROX-011416-UN	Total/NA	Water	8260B	
400-116360-3	MW2-ROX-011416	Total/NA	Water	8260B	
400-116360-4	MW2-ROX-011416-UN	Total/NA	Water	8260B	
400-116360-5	ROST3MW-011416	Total/NA	Water	8260B	
400-116360-6	MW28-ROX-011416	Total/NA	Water	8260B	
400-116360-8	TB-ROX-011416-8260-B	Total/NA	Water	8260B	
400-116360-9	TB-ROX-011416-UN	Total/NA	Water	8260B	
400-116360-10	MW25-ROX-011416	Total/NA	Water	8260B	
400-116360-11	MW8-ROX-011416	Total/NA	Water	8260B	
400-116360-15	TB-ROX-011416-8260-A	Total/NA	Water	8260B	
LCS 400-291032/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-291032/14	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 291410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-12	MW7-ROX-011416	Total/NA	Water	8260B	
400-116360-13	MW7-ROX-011416-DUP	Total/NA	Water	8260B	
LCS 400-291410/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-291410/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 291056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-1	MW5-ROX-011416	Total/NA	Water	3520C	
400-116360-3	MW2-ROX-011416	Total/NA	Water	3520C	
400-116360-5	ROST3MW-011416	Total/NA	Water	3520C	
400-116360-6	MW28-ROX-011416	Total/NA	Water	3520C	
400-116360-10	MW25-ROX-011416	Total/NA	Water	3520C	
400-116360-11	MW8-ROX-011416	Total/NA	Water	3520C	
400-116360-12	MW7-ROX-011416	Total/NA	Water	3520C	
400-116360-13	MW7-ROX-011416-DUP	Total/NA	Water	3520C	
LCS 400-291056/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-291056/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-291056/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-291056/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-291056/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 291149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-1	MW5-ROX-011416	Total/NA	Water	8270D	291056
400-116360-3	MW2-ROX-011416	Total/NA	Water	8270D	291056
400-116360-5	ROST3MW-011416	Total/NA	Water	8270D	291056
400-116360-6	MW28-ROX-011416	Total/NA	Water	8270D	291056
400-116360-10	MW25-ROX-011416	Total/NA	Water	8270D	291056
400-116360-11	MW8-ROX-011416	Total/NA	Water	8270D	291056
400-116360-12	MW7-ROX-011416	Total/NA	Water	8270D	291056
400-116360-13	MW7-ROX-011416-DUP	Total/NA	Water	8270D	291056
LCS 400-291056/2-A	Lab Control Sample	Total/NA	Water	8270D	291056

GC/MS Semi VOA (Continued)

Analysis Batch: 291149 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-291056/4-A	Lab Control Sample	Total/NA	Water	8270D	291056
LCSD 400-291056/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	291056
LCSD 400-291056/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	291056
MB 400-291056/1-A	Method Blank	Total/NA	Water	8270D	291056

Analysis Batch: 291330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-11	MW8-ROX-011416	Total/NA	Water	8270D	291056
400-116360-12	MW7-ROX-011416	Total/NA	Water	8270D	291056
400-116360-13	MW7-ROX-011416-DUP	Total/NA	Water	8270D	291056

Analysis Batch: 291407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-1	MW5-ROX-011416	Total/NA	Water	8270D LL	291056
400-116360-3	MW2-ROX-011416	Total/NA	Water	8270D LL	291056
400-116360-5	ROST3MW-011416	Total/NA	Water	8270D LL	291056
400-116360-6	MW28-ROX-011416	Total/NA	Water	8270D LL	291056
400-116360-10	MW25-ROX-011416	Total/NA	Water	8270D LL	291056
400-116360-11	MW8-ROX-011416	Total/NA	Water	8270D LL	291056
400-116360-12	MW7-ROX-011416	Total/NA	Water	8270D LL	291056
400-116360-13	MW7-ROX-011416-DUP	Total/NA	Water	8270D LL	291056
LCS 400-291056/2-A	Lab Control Sample	Total/NA	Water	8270D LL	291056
LCSD 400-291056/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	291056
MB 400-291056/1-A	Method Blank	Total/NA	Water	8270D LL	291056

GC Semi VOA

Prep Batch: 290999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-1	MW5-ROX-011416	Total/NA	Water	8011	
400-116360-3	MW2-ROX-011416	Total/NA	Water	8011	
400-116360-5	ROST3MW-011416	Total/NA	Water	8011	
400-116360-6	MW28-ROX-011416	Total/NA	Water	8011	
400-116360-7	TB-ROX-011416-8011-B	Total/NA	Water	8011	
400-116360-10	MW25-ROX-011416	Total/NA	Water	8011	
400-116360-11	MW8-ROX-011416	Total/NA	Water	8011	
400-116360-12	MW7-ROX-011416	Total/NA	Water	8011	
400-116360-13	MW7-ROX-011416-DUP	Total/NA	Water	8011	
400-116360-14	TB-ROX-011416-8011-A	Total/NA	Water	8011	
LCS 400-290999/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-290999/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 400-290999/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 291046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-1	MW5-ROX-011416	Total/NA	Water	8011	290999
400-116360-3	MW2-ROX-011416	Total/NA	Water	8011	290999
400-116360-5	ROST3MW-011416	Total/NA	Water	8011	290999
400-116360-6	MW28-ROX-011416	Total/NA	Water	8011	290999
400-116360-7	TB-ROX-011416-8011-B	Total/NA	Water	8011	290999

GC Semi VOA (Continued)

Analysis Batch: 291046 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116360-10	MW25-ROX-011416	Total/NA	Water	8011	290999
400-116360-11	MW8-ROX-011416	Total/NA	Water	8011	290999
400-116360-12	MW7-ROX-011416	Total/NA	Water	8011	290999
400-116360-13	MW7-ROX-011416-DUP	Total/NA	Water	8011	290999
400-116360-14	TB-ROX-011416-8011-A	Total/NA	Water	8011	290999
LCS 400-290999/2-A	Lab Control Sample	Total/NA	Water	8011	290999
LCSD 400-290999/3-A	Lab Control Sample Dup	Total/NA	Water	8011	290999
MB 400-290999/1-A	Method Blank	Total/NA	Water	8011	290999

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

Lab Sample ID: MB 400-291032/14
Matrix: Water
Analysis Batch: 291032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 09:06	1
Acrolein	ND		20	10	ug/L			01/20/16 09:06	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 09:06	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 09:06	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 09:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 09:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 09:06	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 09:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 09:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 09:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 09:06	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 09:06	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 09:06	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 09:06	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 09:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 09:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 09:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 09:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 09:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 09:06	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 09:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 09:06	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 09:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 09:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 09:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 09:06	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 09:06	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 09:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 09:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 09:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 09:06	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 09:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 09:06	1

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

Lab Sample ID: MB 400-291032/14
Matrix: Water
Analysis Batch: 291032

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 09:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 09:06	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 09:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 09:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 09:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 09:06	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 09:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 09:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 09:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 09:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 09:06	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 09:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 09:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 09:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 09:06	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 09:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/20/16 09:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/20/16 09:06*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/20/16 09:06*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/20/16 09:06*	*1*

Lab Sample ID: LCS 400-291032/1002
Matrix: Water
Analysis Batch: 291032

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	230		ug/L		115	43 - 160
Acrolein	500	514		ug/L		103	38 - 160
Acrylonitrile	500	498		ug/L		100	64 - 142
Benzene	50.0	47.3		ug/L		95	70 - 130
Bromobenzene	50.0	48.5		ug/L		97	70 - 132
Bromochloromethane	50.0	50.4		ug/L		101	70 - 130
Bromodichloromethane	50.0	46.1		ug/L		92	67 - 133
Bromoform	50.0	45.1		ug/L		90	57 - 140
Bromomethane	50.0	35.3		ug/L		71	10 - 160
2-Butanone (MEK)	200	198		ug/L		99	61 - 145
Carbon disulfide	50.0	42.7		ug/L		85	61 - 137
Carbon tetrachloride	50.0	47.6		ug/L		95	61 - 137
Chlorobenzene	50.0	47.2		ug/L		94	70 - 130
Chloroethane	50.0	51.4		ug/L		103	55 - 141
2-Chloroethyl vinyl ether	50.0	38.4		ug/L		77	10 - 160

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

Lab Sample ID: LCS 400-291032/1002
Matrix: Water
Analysis Batch: 291032

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	47.9		ug/L		96	69 - 130
1-Chlorohexane	50.0	48.3		ug/L		97	69 - 130
Chloromethane	50.0	43.0		ug/L		86	58 - 137
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	46.7		ug/L		93	69 - 132
Dibromochloromethane	50.0	45.2		ug/L		90	67 - 135
1,2-Dichlorobenzene	50.0	48.6		ug/L		97	67 - 130
1,3-Dichlorobenzene	50.0	48.7		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	33.5		ug/L		67	41 - 146
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130
1,2-Dichloroethane	50.0	49.7		ug/L		99	69 - 130
1,1-Dichloroethene	50.0	47.4		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	49.0		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	46.2		ug/L		92	70 - 130
2,2-Dichloropropane	50.0	44.3		ug/L		89	52 - 135
1,1-Dichloropropene	50.0	48.1		ug/L		96	70 - 130
Ethylbenzene	50.0	46.7		ug/L		93	70 - 130
Ethyl methacrylate	50.0	46.6		ug/L		93	68 - 130
Hexachlorobutadiene	50.0	49.3		ug/L		99	53 - 140
2-Hexanone	200	195		ug/L		97	65 - 137
Isopropylbenzene	50.0	46.8		ug/L		94	70 - 130
Methylene bromide	50.0	48.4		ug/L		97	70 - 130
Methylene Chloride	50.0	43.8		ug/L		88	66 - 135
4-Methyl-2-pentanone (MIBK)	200	205		ug/L		103	69 - 138
Methyl tert-butyl ether	50.0	46.1		ug/L		92	66 - 130
m-Xylene & p-Xylene	50.0	46.5		ug/L		93	70 - 130
Naphthalene	50.0	47.2		ug/L		94	47 - 149
n-Butylbenzene	50.0	50.3		ug/L		101	67 - 130
N-Propylbenzene	50.0	47.6		ug/L		95	70 - 130
o-Chlorotoluene	50.0	47.9		ug/L		96	70 - 130
o-Xylene	50.0	46.0		ug/L		92	70 - 130
p-Chlorotoluene	50.0	47.8		ug/L		96	70 - 130
p-Isopropyltoluene	50.0	48.6		ug/L		97	65 - 130
sec-Butylbenzene	50.0	47.9		ug/L		96	66 - 130
Styrene	50.0	46.3		ug/L		93	70 - 130
tert-Butylbenzene	50.0	48.4		ug/L		97	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.1		ug/L		92	67 - 131
1,1,2,2-Tetrachloroethane	50.0	46.6		ug/L		93	70 - 131
Tetrachloroethene	50.0	42.0		ug/L		84	65 - 130
Toluene	50.0	45.5		ug/L		91	70 - 130
trans-1,2-Dichloroethene	50.0	46.5		ug/L		93	70 - 130
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	49.2		ug/L		98	60 - 138
1,2,4-Trichlorobenzene	50.0	49.9		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	47.1		ug/L		94	68 - 130
1,1,2-Trichloroethane	50.0	46.0		ug/L		92	70 - 130
Trichloroethene	50.0	48.7		ug/L		97	70 - 130

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

Lab Sample ID: LCS 400-291032/1002
Matrix: Water
Analysis Batch: 291032

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	50.0	48.8		ug/L		98	65 - 138
1,2,3-Trichloropropane	50.0	48.1		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	50.0	47.6		ug/L		95	69 - 130
Vinyl acetate	100	111		ug/L		111	26 - 160
Vinyl chloride	50.0	44.7		ug/L		89	59 - 136
Xylenes, Total	100	92.5		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 400-291410/4
Matrix: Water
Analysis Batch: 291410

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/22/16 13:39	1
Acrolein	ND		20	10	ug/L			01/22/16 13:39	1
Acrylonitrile	ND		10	2.8	ug/L			01/22/16 13:39	1
Benzene	ND		1.0	0.38	ug/L			01/22/16 13:39	1
Bromobenzene	ND		1.0	0.54	ug/L			01/22/16 13:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/22/16 13:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Bromoform	ND		5.0	0.71	ug/L			01/22/16 13:39	1
Bromomethane	ND		1.0	0.98	ug/L			01/22/16 13:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/22/16 13:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Chloroethane	ND		1.0	0.76	ug/L			01/22/16 13:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/22/16 13:39	1
Chloroform	ND		1.0	0.60	ug/L			01/22/16 13:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/22/16 13:39	1
Chloromethane	ND		1.0	0.83	ug/L			01/22/16 13:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/22/16 13:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/22/16 13:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/22/16 13:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/22/16 13:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/22/16 13:39	1

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

Lab Sample ID: MB 400-291410/4
Matrix: Water
Analysis Batch: 291410

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/22/16 13:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/22/16 13:39	1
2-Hexanone	ND		25	3.1	ug/L			01/22/16 13:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/22/16 13:39	1
Methylene bromide	ND		5.0	0.59	ug/L			01/22/16 13:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/22/16 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/22/16 13:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/22/16 13:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/22/16 13:39	1
Naphthalene	ND		1.0	1.0	ug/L			01/22/16 13:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/22/16 13:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/22/16 13:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/22/16 13:39	1
o-Xylene	ND		5.0	0.60	ug/L			01/22/16 13:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/22/16 13:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/22/16 13:39	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/22/16 13:39	1
Styrene	ND		1.0	1.0	ug/L			01/22/16 13:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/22/16 13:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/22/16 13:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/22/16 13:39	1
Toluene	ND		1.0	0.70	ug/L			01/22/16 13:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/22/16 13:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/22/16 13:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/22/16 13:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/22/16 13:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/22/16 13:39	1
Trichloroethene	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/22/16 13:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/22/16 13:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/22/16 13:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/22/16 13:39	1
Vinyl acetate	ND		25	2.0	ug/L			01/22/16 13:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/22/16 13:39	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/22/16 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*01/22/16 13:39*	*1*
Dibromofluoromethane	*112*		*81 - 121*		*01/22/16 13:39*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/22/16 13:39*	*1*

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

Lab Sample ID: LCS 400-291410/1002
Matrix: Water
Analysis Batch: 291410

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	232		ug/L		116	43 - 160
Acrolein	400	394		ug/L		99	38 - 160
Acrylonitrile	500	487		ug/L		97	64 - 142
Benzene	50.0	51.0		ug/L		102	70 - 130
Bromobenzene	50.0	50.9		ug/L		102	70 - 132
Bromochloromethane	50.0	51.1		ug/L		102	70 - 130
Bromodichloromethane	50.0	55.5		ug/L		111	67 - 133
Bromoform	50.0	53.1		ug/L		106	57 - 140
Bromomethane	40.0	37.6		ug/L		94	10 - 160
2-Butanone (MEK)	200	215		ug/L		107	61 - 145
Carbon disulfide	50.0	52.2		ug/L		104	61 - 137
Carbon tetrachloride	50.0	59.9		ug/L		120	61 - 137
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130
Chloroethane	40.0	41.1		ug/L		103	55 - 141
2-Chloroethyl vinyl ether	40.0	36.2		ug/L		90	10 - 160
Chloroform	50.0	50.4		ug/L		101	69 - 130
1-Chlorohexane	50.0	48.8		ug/L		98	69 - 130
Chloromethane	40.0	37.7		ug/L		94	58 - 137
cis-1,2-Dichloroethene	50.0	51.4		ug/L		103	68 - 130
cis-1,3-Dichloropropene	50.0	54.4		ug/L		109	69 - 132
Dibromochloromethane	50.0	55.0		ug/L		110	67 - 135
1,2-Dichlorobenzene	50.0	48.4		ug/L		97	67 - 130
1,3-Dichlorobenzene	50.0	49.2		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.4		ug/L		99	70 - 130
Dichlorodifluoromethane	40.0	38.0		ug/L		95	41 - 146
1,1-Dichloroethane	50.0	51.6		ug/L		103	70 - 130
1,2-Dichloroethane	50.0	51.4		ug/L		103	69 - 130
1,1-Dichloroethene	50.0	54.8		ug/L		110	63 - 134
1,2-Dichloropropane	50.0	49.7		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	48.4		ug/L		97	70 - 130
2,2-Dichloropropane	50.0	54.2		ug/L		108	52 - 135
1,1-Dichloropropene	50.0	50.8		ug/L		102	70 - 130
Ethylbenzene	50.0	47.8		ug/L		96	70 - 130
Ethyl methacrylate	50.0	51.5		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	50.3		ug/L		101	53 - 140
2-Hexanone	200	195		ug/L		98	65 - 137
Isopropylbenzene	50.0	48.1		ug/L		96	70 - 130
Methylene bromide	50.0	52.1		ug/L		104	70 - 130
Methylene Chloride	50.0	48.6		ug/L		97	66 - 135
4-Methyl-2-pentanone (MIBK)	200	195		ug/L		97	69 - 138
Methyl tert-butyl ether	50.0	50.3		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	48.2		ug/L		96	70 - 130
Naphthalene	50.0	48.7		ug/L		97	47 - 149
n-Butylbenzene	50.0	46.0		ug/L		92	67 - 130
N-Propylbenzene	50.0	46.1		ug/L		92	70 - 130
o-Chlorotoluene	50.0	46.3		ug/L		93	70 - 130
o-Xylene	50.0	48.6		ug/L		97	70 - 130
p-Chlorotoluene	50.0	48.1		ug/L		96	70 - 130

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

Lab Sample ID: LCS 400-291410/1002
Matrix: Water
Analysis Batch: 291410

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	50.0	45.9		ug/L		92	65 - 130
sec-Butylbenzene	50.0	46.4		ug/L		93	66 - 130
Styrene	50.0	47.4		ug/L		95	70 - 130
tert-Butylbenzene	50.0	57.9		ug/L		116	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.9		ug/L		110	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/L		101	70 - 131
Tetrachloroethene	50.0	41.6		ug/L		83	65 - 130
Toluene	50.0	48.0		ug/L		96	70 - 130
trans-1,2-Dichloroethene	50.0	51.9		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	49.3		ug/L		99	63 - 130
1,2,3-Trichlorobenzene	50.0	50.9		ug/L		102	60 - 138
1,2,4-Trichlorobenzene	50.0	52.6		ug/L		105	60 - 140
1,1,1-Trichloroethane	50.0	54.9		ug/L		110	68 - 130
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	70 - 130
Trichloroethene	50.0	52.0		ug/L		104	70 - 130
Trichlorofluoromethane	40.0	41.5		ug/L		104	65 - 138
1,2,3-Trichloropropane	50.0	47.9		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	50.0	48.1		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	50.0	48.5		ug/L		97	69 - 130
Vinyl acetate	80.0	104		ug/L		130	26 - 160
Vinyl chloride	40.0	41.2		ug/L		103	59 - 136
Xylenes, Total	100	96.8		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-291056/1-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 15:56	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 15:56	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 15:56	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 15:56	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 15:56	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 15:56	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Chloronaphthalene	ND		10	0.62	ug/L		01/20/16 08:31	01/21/16 15:56	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-291056/1-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 15:56	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 15:56	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 15:56	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 15:56	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 15:56	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 15:56	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 15:56	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 15:56	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 15:56	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 15:56	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 15:56	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 15:56	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 15:56	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
Phenol	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 15:56	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 15:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*34 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
2-Fluorophenol	*64*		*10 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
Nitrobenzene-d5	*87*		*27 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
Phenol-d5	*65*		*10 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
Terphenyl-d14	*94*		*53 - 125*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
2,4,6-Tribromophenol	*73*		*15 - 135*	*01/20/16 08:31*	*01/21/16 15:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	25.4		ug/L		85	10 - 145
Benzoic acid	127	59.5		ug/L		47	10 - 120
Benzyl alcohol	30.0	29.1		ug/L		97	51 - 121
Bis(2-chloroethoxy)methane	30.0	26.4		ug/L		88	54 - 123
Bis(2-chloroethyl)ether	30.0	25.5		ug/L		85	47 - 120
bis (2-chloroisopropyl) ether	30.0	26.9		ug/L		90	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	30.6		ug/L		102	62 - 140
4-Bromophenyl phenyl ether	30.0	29.0		ug/L		97	62 - 132
Butyl benzyl phthalate	30.0	31.6		ug/L		105	51 - 150
4-Chloroaniline	30.0	25.1		ug/L		84	32 - 128
4-Chloro-3-methylphenol	30.0	28.4		ug/L		95	47 - 135
2-Chloronaphthalene	30.0	26.8		ug/L		89	24 - 150
2-Chlorophenol	30.0	25.6		ug/L		85	45 - 120
4-Chlorophenyl phenyl ether	30.0	28.2		ug/L		94	61 - 133
Dibenz[a,h]acridine	30.0	24.4		ug/L		81	60 - 131
Dibenzofuran	30.0	28.1		ug/L		94	62 - 124
3,3'-Dichlorobenzidine	40.0	43.3		ug/L		108	16 - 167
2,4-Dichlorophenol	30.0	27.4		ug/L		91	52 - 125
Diethyl phthalate	30.0	28.7		ug/L		96	55 - 140
2,4-Dimethylphenol	30.0	26.3		ug/L		88	52 - 121
Dimethyl phthalate	30.0	28.2		ug/L		94	50 - 133
Di-n-butyl phthalate	30.0	28.9		ug/L		96	59 - 144
4,6-Dinitro-ortho-cresol	60.0	62.2		ug/L		104	46 - 136
2,4-Dinitrophenol	110	97.2		ug/L		88	22 - 146
2,4-Dinitrotoluene	30.0	31.5		ug/L		105	54 - 141
2,6-Dinitrotoluene	30.0	30.9		ug/L		103	61 - 130
Di-n-octyl phthalate	30.0	30.8		ug/L		103	55 - 140
1,4-Dioxane	30.0	18.8		ug/L		63	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	28.5		ug/L		95	55 - 139
Hexachlorobenzene	30.0	28.9		ug/L		96	60 - 138
Hexachlorocyclopentadiene	30.0	20.0		ug/L		67	1 - 139
Hexachloroethane	30.0	22.2		ug/L		74	46 - 121
Indene	30.0	24.8		ug/L		83	17 - 141
Isophorone	30.0	26.2		ug/L		87	57 - 122
2-Methylphenol	30.0	27.4		ug/L		91	38 - 121
3 & 4 Methylphenol	30.0	27.1		ug/L		90	43 - 126
2-Nitroaniline	30.0	33.8		ug/L		113	52 - 135
3-Nitroaniline	30.0	32.9		ug/L		110	51 - 128
4-Nitroaniline	30.0	30.5		ug/L		102	38 - 141
Nitrobenzene	30.0	26.6		ug/L		89	52 - 128
2-Nitrophenol	30.0	27.2		ug/L		91	47 - 129
4-Nitrophenol	60.0	51.8		ug/L		86	34 - 137
N-Nitrosodimethylamine	30.0	27.3		ug/L		91	21 - 134
N-Nitrosodi-n-propylamine	30.0	29.8		ug/L		99	41 - 143
N-Nitrosodiphenylamine	64.9	60.7		ug/L		94	10 - 185
Pentachlorophenol	60.0	49.9		ug/L		83	38 - 136
Phenol	30.0	25.4		ug/L		85	37 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	30.0	19.0		ug/L		63	10 - 127
Quinoline	30.0	25.6		ug/L		85	10 - 164
2,4,5-Trichlorophenol	30.0	28.3		ug/L		94	53 - 130
2,4,6-Trichlorophenol	30.0	28.4		ug/L		95	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*34 - 120*
2-Fluorophenol	*70*		*10 - 120*
Nitrobenzene-d5	*86*		*27 - 120*
Phenol-d5	*76*		*10 - 120*
Terphenyl-d14	*99*		*53 - 125*
2,4,6-Tribromophenol	*92*		*15 - 135*

Lab Sample ID: LCS 400-291056/4-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	19.0		ug/L		63	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*34 - 120*
2-Fluorophenol	*69*		*10 - 120*
Nitrobenzene-d5	*97*		*27 - 120*
Phenol-d5	*72*		*10 - 120*
Terphenyl-d14	*103*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: LCSD 400-291056/3-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	19.4		ug/L		65	10 - 145	27	30
Benzoic acid	127	50.2		ug/L		39	10 - 120	17	30
Benzyl alcohol	30.0	26.8		ug/L		89	51 - 121	8	30
Bis(2-chloroethoxy)methane	30.0	24.8		ug/L		83	54 - 123	6	30
Bis(2-chloroethyl)ether	30.0	24.2		ug/L		81	47 - 120	5	30
bis (2-chloroisopropyl) ether	30.0	26.0		ug/L		87	20 - 142	3	30
Bis(2-ethylhexyl) phthalate	30.0	29.1		ug/L		97	62 - 140	5	30
4-Bromophenyl phenyl ether	30.0	27.5		ug/L		92	62 - 132	5	30
Butyl benzyl phthalate	30.0	29.8		ug/L		99	51 - 150	6	30
4-Chloroaniline	30.0	21.4		ug/L		71	32 - 128	16	30
4-Chloro-3-methylphenol	30.0	26.6		ug/L		89	47 - 135	7	30
2-Chloronaphthalene	30.0	26.0		ug/L		87	24 - 150	3	30
2-Chlorophenol	30.0	24.3		ug/L		81	45 - 120	5	30
4-Chlorophenyl phenyl ether	30.0	27.2		ug/L		91	61 - 133	3	30
Dibenz[a,h]acridine	30.0	24.7		ug/L		82	60 - 131	1	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-291056/3-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenzofuran	30.0	27.0		ug/L		90	62 - 124	4	30
3,3'-Dichlorobenzidine	40.0	40.6		ug/L		102	16 - 167	7	30
2,4-Dichlorophenol	30.0	25.7		ug/L		86	52 - 125	6	30
Diethyl phthalate	30.0	27.4		ug/L		91	55 - 140	5	30
2,4-Dimethylphenol	30.0	24.6		ug/L		82	52 - 121	6	30
Dimethyl phthalate	30.0	26.5		ug/L		88	50 - 133	6	30
Di-n-butyl phthalate	30.0	27.7		ug/L		92	59 - 144	4	30
4,6-Dinitro-ortho-cresol	60.0	61.9		ug/L		103	46 - 136	0	30
2,4-Dinitrophenol	110	101		ug/L		92	22 - 146	4	30
2,4-Dinitrotoluene	30.0	31.0		ug/L		103	54 - 141	2	30
2,6-Dinitrotoluene	30.0	29.8		ug/L		99	61 - 130	3	30
Di-n-octyl phthalate	30.0	29.3		ug/L		98	55 - 140	5	30
1,4-Dioxane	30.0	18.7		ug/L		62	10 - 130	1	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	27.1		ug/L		90	55 - 139	5	30
Hexachlorobenzene	30.0	27.6		ug/L		92	60 - 138	5	30
Hexachlorocyclopentadiene	30.0	19.4	J	ug/L		65	1 - 139	3	30
Hexachloroethane	30.0	22.3		ug/L		74	46 - 121	1	30
Indene	30.0	24.7		ug/L		82	17 - 141	0	30
Isophorone	30.0	25.0		ug/L		83	57 - 122	5	30
2-Methylphenol	30.0	25.1		ug/L		84	38 - 121	9	30
3 & 4 Methylphenol	30.0	24.2		ug/L		81	43 - 126	12	30
2-Nitroaniline	30.0	31.4		ug/L		105	52 - 135	7	30
3-Nitroaniline	30.0	31.1		ug/L		104	51 - 128	6	30
4-Nitroaniline	30.0	29.4		ug/L		98	38 - 141	4	30
Nitrobenzene	30.0	25.8		ug/L		86	52 - 128	3	30
2-Nitrophenol	30.0	26.4		ug/L		88	47 - 129	3	30
4-Nitrophenol	60.0	41.9		ug/L		70	34 - 137	21	30
N-Nitrosodimethylamine	30.0	26.1		ug/L		87	21 - 134	5	30
N-Nitrosodi-n-propylamine	30.0	28.5		ug/L		95	41 - 143	5	30
N-Nitrosodiphenylamine	64.9	59.0		ug/L		91	10 - 185	3	30
Pentachlorophenol	60.0	47.2		ug/L		79	38 - 138	5	30
Phenol	30.0	20.7		ug/L		69	37 - 120	20	30
Pyridine	30.0	15.1		ug/L		50	10 - 127	23	30
Quinoline	30.0	22.0		ug/L		73	10 - 164	15	30
2,4,5-Trichlorophenol	30.0	26.8		ug/L		89	53 - 130	6	30
2,4,6-Trichlorophenol	30.0	26.7		ug/L		89	52 - 131	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*67*		*10 - 120*
Nitrobenzene-d5	*88*		*27 - 120*
Phenol-d5	*64*		*10 - 120*
Terphenyl-d14	*97*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-291056/5-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	19.8		ug/L		66	20 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*34 - 120*
2-Fluorophenol	*62*		*10 - 120*
Nitrobenzene-d5	*86*		*27 - 120*
Phenol-d5	*58*		*10 - 120*
Terphenyl-d14	*90*		*53 - 125*
2,4,6-Tribromophenol	*70*		*15 - 135*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-291056/1-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 13:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Phenanthrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*110*		*33 - 138*	*01/20/16 08:31*	*01/22/16 13:33*	*1*
2-Fluorobiphenyl	*99*		*15 - 122*	*01/20/16 08:31*	*01/22/16 13:33*	*1*
Nitrobenzene-d5	*95*		*19 - 130*	*01/20/16 08:31*	*01/22/16 13:33*	*1*

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	26.4		ug/L		88	41 - 120
Acenaphthylene	30.0	26.3		ug/L		88	44 - 120

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	30.0	25.9		ug/L		86	49 - 120
Benzo[a]anthracene	30.0	26.7		ug/L		89	61 - 135
Benzo[a]pyrene	30.0	25.8		ug/L		86	52 - 120
Benzo[b]fluoranthene	30.0	29.2		ug/L		97	53 - 134
Benzo[g,h,i]perylene	30.0	26.2		ug/L		87	47 - 133
Benzo[k]fluoranthene	30.0	25.8		ug/L		86	57 - 134
Chrysene	30.0	27.3		ug/L		91	55 - 122
Dibenz(a,h)anthracene	30.0	29.8		ug/L		99	48 - 146
Fluoranthene	30.0	26.4		ug/L		88	54 - 128
Fluorene	30.0	28.2		ug/L		94	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	28.7		ug/L		96	43 - 142
Phenanthrene	30.0	26.1		ug/L		87	48 - 120
Pyrene	30.0	26.6		ug/L		89	48 - 132
1-Methylnaphthalene	30.0	25.6		ug/L		85	41 - 120
2-Methylnaphthalene	30.0	25.8		ug/L		86	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*85*		*33 - 138*
2-Fluorobiphenyl	*83*		*15 - 122*
Nitrobenzene-d5	*80*		*19 - 130*

Lab Sample ID: LCSD 400-291056/3-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.8		ug/L		83	41 - 120	6	56
Acenaphthylene	30.0	24.9		ug/L		83	44 - 120	5	56
Anthracene	30.0	24.1		ug/L		80	49 - 120	7	51
Benzo[a]anthracene	30.0	25.1		ug/L		84	61 - 135	6	49
Benzo[a]pyrene	30.0	24.0		ug/L		80	52 - 120	7	50
Benzo[b]fluoranthene	30.0	27.3		ug/L		91	53 - 134	7	54
Benzo[g,h,i]perylene	30.0	24.2		ug/L		81	47 - 133	8	50
Benzo[k]fluoranthene	30.0	25.4		ug/L		85	57 - 134	2	52
Chrysene	30.0	25.8		ug/L		86	55 - 122	5	50
Dibenz(a,h)anthracene	30.0	27.9		ug/L		93	48 - 146	7	50
Fluoranthene	30.0	24.3		ug/L		81	54 - 128	8	52
Fluorene	30.0	26.4		ug/L		88	45 - 125	7	56
Indeno[1,2,3-cd]pyrene	30.0	26.5		ug/L		88	43 - 142	8	51
Phenanthrene	30.0	24.4		ug/L		81	48 - 120	7	56
Pyrene	30.0	25.5		ug/L		85	48 - 132	4	52
1-Methylnaphthalene	30.0	26.3		ug/L		88	41 - 120	3	55
2-Methylnaphthalene	30.0	26.4		ug/L		88	32 - 124	2	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*85*		*33 - 138*
2-Fluorobiphenyl	*82*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 400-291056/3-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*86*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290999/1-A
Matrix: Water
Analysis Batch: 291046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/19/16 13:53	01/19/16 17:54	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/19/16 13:53	01/19/16 17:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*01/19/16 13:53*	*01/19/16 17:54*	*1*

Lab Sample ID: LCS 400-290999/2-A
Matrix: Water
Analysis Batch: 291046

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0887		ug/L		89	60 - 140
1,2-Dibromoethane	0.100	0.0861		ug/L		86	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*51 - 149*

Lab Sample ID: LCSD 400-290999/3-A
Matrix: Water
Analysis Batch: 291046

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.0889		ug/L		89	60 - 140	0	30
1,2-Dibromoethane	0.100	0.0869		ug/L		87	60 - 140	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST (
☐ CALSCIENCE (
☑ TESTAMERICA (TestAmerica Pensacola; 3355 Mcbremore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (
Lab Vendor # 1384589 (TestAmerica)

Please Check Appropriate Box: ☐ SBW RDG ☐ PIPELINE ☐ RETAIL ☐ CHEMICALS ☐ CONSULTANT ☐ LUBES ☐ TRANSPORTATION ☑ OTHER ENV. SERVICES

Print Bill To Contact Name: Bob Billman
PO #: 60477387 - 1.03.001/1.030011
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC00114/R/02
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 14 JAN. 2016
PAGE: 1 of 2

SAMPLING COMPANY: AECOM
LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
AECOM Order ID:

SAMPLER NAME(S) Print: B. Koca / D. Haxel / C. Williams / E. Schwandt
LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE EDD DISK

REQUESTED ANALYSIS

UNIT COST 60477387 - 1.03.0011: VOC 8011; PAH 8270LL

NON-UNIT COST 60477387 - 1.03.001: VOC 8260; SVOC 8270

400-116369 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8011	PAH 8270LL	VOC 8260	SVOC 8270
	MW5-ROX-011416	1/14/16	1035	Water	4			3		7	X	X	X	X
	MW5-ROX-011416-UNF		1035					2		2			X	
	MW2-ROX-011416		1140		4			3		7	X	X	X	X
	MW2-ROX-011416-UNF		1140					2		2			X	
	ROST3MW-011416		1335		4			3		7	X	X	X	X
	MW28-ROX-011416		1420		4			3		7	X	X	X	X
	TB-ROX-011416-8011-B		0000		2					2	X			
	TB-ROX-011416-8260-B		0000		2					2			X	
	TB-ROX-011416-UNF		0000					2					X	
	MW25-ROX-011416		1040		4			3		7	X	X	X	X

Relinquished by: (Signature)
Received by: (Signature) Fed Ex 8092 2040 7973
Date: 14 JAN. 2016 Time: 1700

Relinquished by: (Signature)
Received by: (Signature)
Date: Time:

Relinquished by: (Signature)
Received by: (Signature)
Date: 1-15-16 Time: 10:29

Version: 14Dec15

0.6°c, 0.6°c, 0.8°c, 0.8°c IR2

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1/28/2016

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)
☐ ACCUTEST ( )
☐ CALSCIENCE ( )
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other ( )
Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:
☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Bilman
PO #: 60477387 - 1.03.001/1.030011
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/09114/R/02
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 14 Jan. 2016
PAGE: 2 of 2

SAMPLING COMPANY: AECOM
LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Bilman, Lindsay Rathnow
TELEPHONE: 314-429-0100 FAX: 314-429-0482
BILL To Contact E-MAIL: bob.bilman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com
TURNAROUND TIME (BUSINESS DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ LIST AGENCY:
DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD
TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60477387 - 1.03.001/1.030011
EDF DELIVERABLE TO (Name, Company, Office Location): PHONE NO.: E-MAIL: AECOM Order ID:
SAMPLER NAME(S) (Print): C Williams / E. Schumacher
LAB USE ONLY

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST 60477387 - 1.03.0011: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.001: VOC 8260	SVOC 8270	FIELD NOTES: TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
	MW8-ROX-011416	1/14/2016	1135	water	4			3		7	X	X	X	X	
	MW7-ROX-011416	↓	1405	↓	4			3		7	X	X	X	X	
	TB-ROX-011416-8011-A	↓	0000	↓	2					2	X				
	TB-ROX-011416-8260-A	↓	0000	↓	2					2			X		

14 Jan 2016

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Fed Ex 8092 2040 7973	14 Jan. 2016	1700
	[signature]	1-15-16	10:29

Test America Custody Seals: 784641, 2, 3, 4, 5, 6, 7, 8, ~~9, 50~~ pa only 4 coolers, D.H.

Version: 14Dec15

1/28/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116360-1
SDG Number: Proj.60477387-1.03.001/1.030011

Login Number: 116360
List Number: 1
Creator: Menoher, Rachel C

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	0.6°C, 0.6°C, 0.0°C, 0.8°C IR-2
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 containers received and the COC.	False	Refer to Job Narrative for details.
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116360-1
SDG: Proj.60477387-1.03.001/1.030011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Roxana Groundwater Quarterly – 1st Quarter 2016 Data Review

Laboratory SDG: 400-116412-1

Data Reviewer: Melissa Mansker

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/3/2016

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2014

Sample Identification	Sample Identification
MW22-ROX-011516	MW22-ROX-011516-Dup
ROST4PZC-ROX-011516	TB-ROX-011516-8011-B
TB-ROX-011516-8260-B	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that the surrogate recovery for terphenyl-d_{14} was outside criteria in field duplicate pair MW22-ROX-011516/MW22-ROX-011516-Dup. Samples were diluted to bring the concentrations within instrument calibration range. These issues are addressed further in the appropriate sections below.

Additionally, the continuing calibration verification for benzenethiol exceeded evaluation criteria above the upper control limit. Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form indicated that one of one cooler was received by the laboratory at a temperature of 0.0°C, which is outside the 4ºC ± 2ºC criteria. Samples were received in good condition; therefore, no qualification of data was required. The cooler receipt form indicated insufficient sample volume was received for MS/MSD analysis, however MS/MSD analysis was not requested; no qualification of data was required.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW22-ROX-011516	SVOCs	Terphenyl-d_{14}	**41**	53-125
MW22-ROX-011516-Dup	PAHs	Terphenyl-d_{14}	**28**	33-138
MW22-ROX-011516-Dup	SVOCs	Terphenyl-d_{14}	**36**	53-125

Qualifications due to surrogate recoveries were not required due to only one of six surrogate recoveries being outside evaluation criteria each sample parameter. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

No

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
MW22-ROX-011516	MW22-ROX-011516-Dup

Were field duplicates within evaluation criteria?

Yes

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples requiring dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-116412-1
TestAmerica SDG: Proj. 60477387-1.03.001/1.03.0011
Client Project/Site: ROXANA QUARTERLY GW - 1Q16

For:
AECOM Technical Services Inc.
1001 Highlands Plaza Dr. West
St. Louis, Missouri 63110

Attn: Mrs. Elizabeth Kunkel

Carolyn R. Hooper

Authorized for release by:
1/28/2016 2:57:08 PM

Carolyn Hooper, Project Manager I
(850)474-1001
carolyn.hooper@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Reviewed 2/3/2016

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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Case Narrative

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Job ID: 400-116412-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-116412-1

Receipt
The samples were received on 1/18/2016 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.0°C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 291031 was not calculable for 2-chloroethyl vinyl ether because the recoveries were below the reporting limit due to the acidic nature of the parent sample

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 291031 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW22-ROX-011516 (400-116412-1), MW22-ROX-011516-DUP (400-116412-2), ROST4PZC-ROX-011516 (400-116412-3) and TB-ROX-011516-8260-B (400-116412-5). The requested target analyte list includes 2-chloroethyl vinyl ether, acrolein and acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

GC/MS Semi VOA
Method 8270D: Surrogate recovery for the following samples was outside control limits: MW22-ROX-011516 (400-116412-1) and MW22-ROX-011516-DUP (400-116412-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 400-291149 recovered above the upper control limit for Benzenethiol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW22-ROX-011516 (400-116412-1), MW22-ROX-011516-DUP (400-116412-2), ROST4PZC-ROX-011516 (400-116412-3) and (MB 400-291056/1-A).

Method 8270D LL: Physical properties (viscosity, color, odor) of the following sample(s) extract preclude concentrated analysis which would jeopardize instrumentation. Minimal dilution with elevated RLs is reported. MW22-ROX-011516 (400-116412-1), MW22-ROX-011516-DUP (400-116412-2) and ROST4PZC-ROX-011516 (400-116412-3)

Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW22-ROX-011516-DUP (400-116412-2). These results have been reported and qualified.

Organic Prep
Method 3520C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 8270/LL analytical batch 400-291056.

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

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-116412-1	MW22-ROX-011516	Water	01/15/16 09:40	01/18/16 10:10
400-116412-2	MW22-ROX-011516-DUP	Water	01/15/16 09:40	01/18/16 10:10
400-116412-3	ROST4PZC-ROX-011516	Water	01/15/16 10:55	01/18/16 10:10
400-116412-4	TB-ROX-011516-8011-B	Water	01/15/16 00:00	01/18/16 10:10
400-116412-5	TB-ROX-011516-8260-B	Water	01/15/16 00:00	01/18/16 10:10

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW22-ROX-011516

Lab Sample ID: 400-116412-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1200		20	7.6	ug/L	20		8260B	Total/NA
Ethylbenzene	2000		20	10	ug/L	20		8260B	Total/NA
Isopropylbenzene	80		20	11	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	3200		100	32	ug/L	20		8260B	Total/NA
Naphthalene	260		20	20	ug/L	20		8260B	Total/NA
N-Propylbenzene	130		20	14	ug/L	20		8260B	Total/NA
o-Xylene	1900		100	12	ug/L	20		8260B	Total/NA
Toluene	1800		20	14	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	810		20	16	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	210		20	11	ug/L	20		8260B	Total/NA
Xylenes, Total	5000		100	12	ug/L	20		8260B	Total/NA
1-Methylnaphthalene	22		2.0	0.20	ug/L	10		8270D LL	Total/NA
2-Methylnaphthalene	38		2.0	0.20	ug/L	10		8270D LL	Total/NA
Benzoic acid	20	J	30	7.3	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	21		10	3.5	ug/L	1		8270D	Total/NA
Indene	29		10	1.0	ug/L	1		8270D	Total/NA
2-Methylphenol	9.5	J	10	1.8	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	21		20	1.0	ug/L	1		8270D	Total/NA
Phenol	15		10	2.6	ug/L	1		8270D	Total/NA
Pyridine	3.2	J	10	3.2	ug/L	1		8270D	Total/NA

Client Sample ID: MW22-ROX-011516-DUP

Lab Sample ID: 400-116412-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1100		20	7.6	ug/L	20		8260B	Total/NA
Ethylbenzene	1900		20	10	ug/L	20		8260B	Total/NA
Isopropylbenzene	75		20	11	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	2900		100	32	ug/L	20		8260B	Total/NA
Naphthalene	230		20	20	ug/L	20		8260B	Total/NA
N-Propylbenzene	120		20	14	ug/L	20		8260B	Total/NA
o-Xylene	1700		100	12	ug/L	20		8260B	Total/NA
Toluene	1700		20	14	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	740		20	16	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	190		20	11	ug/L	20		8260B	Total/NA
Xylenes, Total	4700		100	12	ug/L	20		8260B	Total/NA
1-Methylnaphthalene	19		2.0	0.20	ug/L	10		8270D LL	Total/NA
2-Methylnaphthalene	33		2.0	0.20	ug/L	10		8270D LL	Total/NA
Benzoic acid	18	J	30	7.3	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	19		10	3.5	ug/L	1		8270D	Total/NA
Indene	27		10	1.0	ug/L	1		8270D	Total/NA
2-Methylphenol	8.3	J	10	1.8	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	19	J	20	1.0	ug/L	1		8270D	Total/NA
Phenol	13		10	2.6	ug/L	1		8270D	Total/NA

Client Sample ID: ROST4PZC-ROX-011516

Lab Sample ID: 400-116412-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	59		2.0	0.76	ug/L	2		8260B	Total/NA
Carbon disulfide	1.0	J	2.0	1.0	ug/L	2		8260B	Total/NA
Ethylbenzene	36		2.0	1.0	ug/L	2		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: ROST4PZC-ROX-011516 (Continued)

Lab Sample ID: 400-116412-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	4.4		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	170		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	71		2.0	2.0	ug/L	2		8260B	Total/NA
N-Propylbenzene	6.0		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	20		10	1.2	ug/L	2		8260B	Total/NA
Toluene	30		2.0	1.4	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	37		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	4.0		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	190		10	1.2	ug/L	2		8260B	Total/NA
Acenaphthene	0.46	J	2.0	0.20	ug/L	10		8270D LL	Total/NA
1-Methylnaphthalene	20		2.0	0.20	ug/L	10		8270D LL	Total/NA
2-Methylnaphthalene	20		2.0	0.20	ug/L	10		8270D LL	Total/NA
2,4-Dimethylphenol	4.6	J	10	3.5	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	1.0	J	20	1.0	ug/L	1		8270D	Total/NA

Client Sample ID: TB-ROX-011516-8011-B

Lab Sample ID: 400-116412-4

No Detections.

Client Sample ID: TB-ROX-011516-8260-B

Lab Sample ID: 400-116412-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW22-ROX-011516

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			01/20/16 11:35	20
Acrolein	ND		400	200	ug/L			01/20/16 11:35	20
Acrylonitrile	ND		200	56	ug/L			01/20/16 11:35	20
Benzene	1200		20	7.6	ug/L			01/20/16 11:35	20
Bromobenzene	ND		20	11	ug/L			01/20/16 11:35	20
Bromochloromethane	ND		20	10	ug/L			01/20/16 11:35	20
Bromodichloromethane	ND		20	10	ug/L			01/20/16 11:35	20
Bromoform	ND		100	14	ug/L			01/20/16 11:35	20
Bromomethane	ND		20	20	ug/L			01/20/16 11:35	20
2-Butanone (MEK)	ND		500	52	ug/L			01/20/16 11:35	20
Carbon disulfide	ND		20	10	ug/L			01/20/16 11:35	20
Carbon tetrachloride	ND		20	10	ug/L			01/20/16 11:35	20
Chlorobenzene	ND		20	10	ug/L			01/20/16 11:35	20
Dibromochloromethane	ND		20	10	ug/L			01/20/16 11:35	20
Chloroethane	ND		20	15	ug/L			01/20/16 11:35	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			01/20/16 11:35	20
Chloroform	ND		20	12	ug/L			01/20/16 11:35	20
1-Chlorohexane	ND		20	14	ug/L			01/20/16 11:35	20
Chloromethane	ND		20	17	ug/L			01/20/16 11:35	20
cis-1,2-Dichloroethene	ND		20	10	ug/L			01/20/16 11:35	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			01/20/16 11:35	20
1,2-Dichlorobenzene	ND		20	10	ug/L			01/20/16 11:35	20
1,3-Dichlorobenzene	ND		20	11	ug/L			01/20/16 11:35	20
1,4-Dichlorobenzene	ND		20	13	ug/L			01/20/16 11:35	20
Dichlorodifluoromethane	ND		20	17	ug/L			01/20/16 11:35	20
1,1-Dichloroethane	ND		20	10	ug/L			01/20/16 11:35	20
1,2-Dichloroethane	ND		20	10	ug/L			01/20/16 11:35	20
1,1-Dichloroethene	ND		20	10	ug/L			01/20/16 11:35	20
1,2-Dichloropropane	ND		20	10	ug/L			01/20/16 11:35	20
1,3-Dichloropropane	ND		20	10	ug/L			01/20/16 11:35	20
2,2-Dichloropropane	ND		20	10	ug/L			01/20/16 11:35	20
1,1-Dichloropropene	ND		20	10	ug/L			01/20/16 11:35	20
Ethylbenzene	2000		20	10	ug/L			01/20/16 11:35	20
Ethyl methacrylate	ND		20	12	ug/L			01/20/16 11:35	20
Hexachlorobutadiene	ND		100	18	ug/L			01/20/16 11:35	20
2-Hexanone	ND		500	62	ug/L			01/20/16 11:35	20
Isopropylbenzene	80		20	11	ug/L			01/20/16 11:35	20
Methylene bromide	ND		100	12	ug/L			01/20/16 11:35	20
Methylene Chloride	ND		100	60	ug/L			01/20/16 11:35	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			01/20/16 11:35	20
Methyl tert-butyl ether	ND		20	15	ug/L			01/20/16 11:35	20
m-Xylene & p-Xylene	3200		100	32	ug/L			01/20/16 11:35	20
Naphthalene	260		20	20	ug/L			01/20/16 11:35	20
n-Butylbenzene	ND		20	15	ug/L			01/20/16 11:35	20
N-Propylbenzene	130		20	14	ug/L			01/20/16 11:35	20
o-Chlorotoluene	ND		20	11	ug/L			01/20/16 11:35	20
o-Xylene	1900		100	12	ug/L			01/20/16 11:35	20
p-Chlorotoluene	ND		20	11	ug/L			01/20/16 11:35	20
p-Isopropyltoluene	ND		20	14	ug/L			01/20/16 11:35	20

Client Sample ID: MW22-ROX-011516

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		20	14	ug/L			01/20/16 11:35	20
Styrene	ND		20	20	ug/L			01/20/16 11:35	20
tert-Butylbenzene	ND		20	13	ug/L			01/20/16 11:35	20
1,1,1,2-Tetrachloroethane	ND		20	10	ug/L			01/20/16 11:35	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			01/20/16 11:35	20
Tetrachloroethene	ND		20	12	ug/L			01/20/16 11:35	20
Toluene	1800		20	14	ug/L			01/20/16 11:35	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			01/20/16 11:35	20
trans-1,3-Dichloropropene	ND		100	10	ug/L			01/20/16 11:35	20
1,2,3-Trichlorobenzene	ND		20	14	ug/L			01/20/16 11:35	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			01/20/16 11:35	20
1,1,1-Trichloroethane	ND		20	10	ug/L			01/20/16 11:35	20
1,1,2-Trichloroethane	ND		100	10	ug/L			01/20/16 11:35	20
Trichloroethene	ND		20	10	ug/L			01/20/16 11:35	20
Trichlorofluoromethane	ND		20	10	ug/L			01/20/16 11:35	20
1,2,3-Trichloropropane	ND		100	17	ug/L			01/20/16 11:35	20
1,2,4-Trimethylbenzene	810		20	16	ug/L			01/20/16 11:35	20
1,3,5-Trimethylbenzene	210		20	11	ug/L			01/20/16 11:35	20
Vinyl acetate	ND		500	40	ug/L			01/20/16 11:35	20
Vinyl chloride	ND		20	10	ug/L			01/20/16 11:35	20
Xylenes, Total	5000		100	12	ug/L			01/20/16 11:35	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*01/20/16 11:35*	*20*
Dibromofluoromethane	*109*		*81 - 121*		*01/20/16 11:35*	*20*
Toluene-d8 (Surr)	*91*		*80 - 120*		*01/20/16 11:35*	*20*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10
Acenaphthylene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10
Anthracene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10
Benzo[a]anthracene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Benzo[a]pyrene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Benzo[b]fluoranthene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Benzo[g,h,i]perylene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Benzo[k]fluoranthene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Chrysene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Dibenz(a,h)anthracene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Fluoranthene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10
Fluorene	ND		2.0	0.21	ug/L		01/20/16 08:31	01/25/16 12:37	10
Indeno[1,2,3-cd]pyrene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/25/16 12:37	10
Phenanthrene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10
Pyrene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10
1-Methylnaphthalene	22		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10
2-Methylnaphthalene	38		2.0	0.20	ug/L		01/20/16 08:31	01/25/16 12:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*36*		*33 - 138*	*01/20/16 08:31*	*01/25/16 12:37*	*10*
2-Fluorobiphenyl	*77*		*15 - 122*	*01/20/16 08:31*	*01/25/16 12:37*	*10*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW22-ROX-011516
Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-1
Matrix: Water

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Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	93		19 - 130	01/20/16 08:31	01/25/16 12:37	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 17:25	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 17:25	1
Benzoic acid	20	J	30	7.3	ug/L		01/20/16 08:31	01/21/16 17:25	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 17:25	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 17:25	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 17:25	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 17:25	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 17:25	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 17:25	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 17:25	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 17:25	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 17:25	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 17:25	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 17:25	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 17:25	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 17:25	1
2,4-Dimethylphenol	21		10	3.5	ug/L		01/20/16 08:31	01/21/16 17:25	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 17:25	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 17:25	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 17:25	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 17:25	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 17:25	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 17:25	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 17:25	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 17:25	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 17:25	1
Indeno	29		10	1.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 17:25	1
2-Methylphenol	9.5	J	10	1.8	ug/L		01/20/16 08:31	01/21/16 17:25	1
3 & 4 Methylphenol	21		20	1.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 17:25	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 17:25	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 17:25	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 17:25	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 17:25	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 17:25	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 17:25	1

Client Sample ID: MW22-ROX-011516

Lab Sample ID: 400-116412-1

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 17:25	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 17:25	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 17:25	1
Phenol	15		10	2.6	ug/L		01/20/16 08:31	01/21/16 17:25	1
Pyridine	3.2	J	10	3.2	ug/L		01/20/16 08:31	01/21/16 17:25	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 17:25	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 17:25	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*34 - 120*	*01/20/16 08:31*	*01/21/16 17:25*	*1*
2-Fluorophenol	*26*		*10 - 120*	*01/20/16 08:31*	*01/21/16 17:25*	*1*
Nitrobenzene-d5	*92*		*27 - 120*	*01/20/16 08:31*	*01/21/16 17:25*	*1*
Phenol-d5	*80*		*10 - 120*	*01/20/16 08:31*	*01/21/16 17:25*	*1*
Terphenyl-d14	*41*	X	*53 - 125*	*01/20/16 08:31*	*01/21/16 17:25*	*1*
2,4,6-Tribromophenol	*81*		*15 - 135*	*01/20/16 08:31*	*01/21/16 17:25*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/19/16 13:53	01/20/16 00:48	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/19/16 13:53	01/20/16 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*51 - 149*	*01/19/16 13:53*	*01/20/16 00:48*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW22-ROX-011516-DUP

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			01/20/16 12:00	20
Acrolein	ND		400	200	ug/L			01/20/16 12:00	20
Acrylonitrile	ND		200	56	ug/L			01/20/16 12:00	20
Benzene	1100		20	7.8	ug/L			01/20/16 12:00	20
Bromobenzene	ND		20	11	ug/L			01/20/16 12:00	20
Bromochloromethane	ND		20	10	ug/L			01/20/16 12:00	20
Bromodichloromethane	ND		20	10	ug/L			01/20/16 12:00	20
Bromoform	ND		100	14	ug/L			01/20/16 12:00	20
Bromomethane	ND		20	20	ug/L			01/20/16 12:00	20
2-Butanone (MEK)	ND		500	52	ug/L			01/20/16 12:00	20
Carbon disulfide	ND		20	10	ug/L			01/20/16 12:00	20
Carbon tetrachloride	ND		20	10	ug/L			01/20/16 12:00	20
Chlorobenzene	ND		20	10	ug/L			01/20/16 12:00	20
Dibromochloromethane	ND		20	10	ug/L			01/20/16 12:00	20
Chloroethane	ND		20	15	ug/L			01/20/16 12:00	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			01/20/16 12:00	20
Chloroform	ND		20	12	ug/L			01/20/16 12:00	20
1-Chlorohexane	ND		20	14	ug/L			01/20/16 12:00	20
Chloromethane	ND		20	17	ug/L			01/20/16 12:00	20
cis-1,2-Dichloroethene	ND		20	10	ug/L			01/20/16 12:00	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			01/20/16 12:00	20
1,2-Dichlorobenzene	ND		20	10	ug/L			01/20/16 12:00	20
1,3-Dichlorobenzene	ND		20	11	ug/L			01/20/16 12:00	20
1,4-Dichlorobenzene	ND		20	13	ug/L			01/20/16 12:00	20
Dichlorodifluoromethane	ND		20	17	ug/L			01/20/16 12:00	20
1,1-Dichloroethane	ND		20	10	ug/L			01/20/16 12:00	20
1,2-Dichloroethane	ND		20	10	ug/L			01/20/16 12:00	20
1,1-Dichloroethene	ND		20	10	ug/L			01/20/16 12:00	20
1,2-Dichloropropane	ND		20	10	ug/L			01/20/16 12:00	20
1,3-Dichloropropane	ND		20	10	ug/L			01/20/16 12:00	20
2,2-Dichloropropane	ND		20	10	ug/L			01/20/16 12:00	20
1,1-Dichloropropene	ND		20	10	ug/L			01/20/16 12:00	20
Ethylbenzene	1900		20	10	ug/L			01/20/16 12:00	20
Ethyl methacrylate	ND		20	12	ug/L			01/20/16 12:00	20
Hexachlorobutadiene	ND		100	18	ug/L			01/20/16 12:00	20
2-Hexanone	ND		500	62	ug/L			01/20/16 12:00	20
Isopropylbenzene	75		20	11	ug/L			01/20/16 12:00	20
Methylene bromide	ND		100	12	ug/L			01/20/16 12:00	20
Methylene Chloride	ND		100	60	ug/L			01/20/16 12:00	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			01/20/16 12:00	20
Methyl tert-butyl ether	ND		20	15	ug/L			01/20/16 12:00	20
m-Xylene & p-Xylene	2900		100	32	ug/L			01/20/16 12:00	20
Naphthalene	230		20	20	ug/L			01/20/16 12:00	20
n-Butylbenzene	ND		20	15	ug/L			01/20/16 12:00	20
N-Propylbenzene	120		20	14	ug/L			01/20/16 12:00	20
o-Chlorotoluene	ND		20	11	ug/L			01/20/16 12:00	20
o-Xylene	1700		100	12	ug/L			01/20/16 12:00	20
p-Chlorotoluene	ND		20	11	ug/L			01/20/16 12:00	20
p-Isopropyltoluene	ND		20	14	ug/L			01/20/16 12:00	20

Client Sample ID: MW22-ROX-011516-DUP

Lab Sample ID: 400-116412-2

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		20	14	ug/L			01/20/16 12:00	20
Styrene	ND		20	20	ug/L			01/20/16 12:00	20
tert-Butylbenzene	ND		20	13	ug/L			01/20/16 12:00	20
1,1,1,2-Tetrachloroethane	ND		20	10	ug/L			01/20/16 12:00	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			01/20/16 12:00	20
Tetrachloroethene	ND		20	12	ug/L			01/20/16 12:00	20
Toluene	1700		20	14	ug/L			01/20/16 12:00	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			01/20/16 12:00	20
trans-1,3-Dichloropropene	ND		100	10	ug/L			01/20/16 12:00	20
1,2,3-Trichlorobenzene	ND		20	14	ug/L			01/20/16 12:00	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			01/20/16 12:00	20
1,1,1-Trichloroethane	ND		20	10	ug/L			01/20/16 12:00	20
1,1,2-Trichloroethane	ND		100	10	ug/L			01/20/16 12:00	20
Trichloroethene	ND		20	10	ug/L			01/20/16 12:00	20
Trichlorofluoromethane	ND		20	10	ug/L			01/20/16 12:00	20
1,2,3-Trichloropropane	ND		100	17	ug/L			01/20/16 12:00	20
1,2,4-Trimethylbenzene	740		20	16	ug/L			01/20/16 12:00	20
1,3,5-Trimethylbenzene	190		20	11	ug/L			01/20/16 12:00	20
Vinyl acetate	ND		500	40	ug/L			01/20/16 12:00	20
Vinyl chloride	ND		20	10	ug/L			01/20/16 12:00	20
Xylenes, Total	4700		100	12	ug/L			01/20/16 12:00	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*01/20/16 12:00*	*20*
Dibromofluoromethane	*108*		*81 - 121*		*01/20/16 12:00*	*20*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/20/16 12:00*	*20*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10
Acenaphthylene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10
Anthracene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10
Benzo[a]anthracene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Benzo[a]pyrene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Benzo[b]fluoranthene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Benzo[g,h,i]perylene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Benzo[k]fluoranthene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Chrysene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Dibenz(a,h)anthracene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Fluoranthene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10
Fluorene	ND		2.0	0.21	ug/L		01/20/16 08:31	01/22/16 22:14	10
Indeno[1,2,3-cd]pyrene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:14	10
Phenanthrene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10
Pyrene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10
1-Methylnaphthalene	19		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10
2-Methylnaphthalene	33		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*28*	*X*	*33 - 136*	*01/20/16 08:31*	*01/22/16 22:14*	*10*
2-Fluorobiphenyl	*68*		*15 - 122*	*01/20/16 08:31*	*01/22/16 22:14*	*10*

Client Sample ID: MW22-ROX-011516-DUP

Lab Sample ID: 400-116412-2

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*74*		*19 - 130*	*01/20/16 08:31*	*01/22/16 22:14*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 18:01	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 18:01	1
Benzoic acid	18	J	30	7.3	ug/L		01/20/16 08:31	01/21/16 18:01	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 18:01	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 18:01	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 18:01	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 18:01	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 18:01	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 18:01	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 18:01	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 18:01	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 18:01	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 18:01	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 18:01	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 18:01	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 18:01	1
2,4-Dimethylphenol	19		10	3.5	ug/L		01/20/16 08:31	01/21/16 18:01	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 18:01	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 18:01	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 18:01	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 18:01	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 18:01	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 18:01	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 18:01	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 18:01	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 18:01	1
Indene	27		10	1.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 18:01	1
2-Methylphenol	8.3	J	10	1.8	ug/L		01/20/16 08:31	01/21/16 18:01	1
3 & 4 Methylphenol	19	J	20	1.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 18:01	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 18:01	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 18:01	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 18:01	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 18:01	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 18:01	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 18:01	1

Client Sample ID: MW22-ROX-011516-DUP

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 18:01	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 18:01	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 18:01	1
Phenol	13		10	2.6	ug/L		01/20/16 08:31	01/21/16 18:01	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 18:01	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 18:01	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 18:01	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*34 - 120*	*01/20/16 08:31*	*01/21/16 18:01*	*1*
2-Fluorophenol	*28*		*10 - 120*	*01/20/16 08:31*	*01/21/16 18:01*	*1*
Nitrobenzene-d5	*89*		*27 - 120*	*01/20/16 08:31*	*01/21/16 18:01*	*1*
Phenol-d5	*75*		*10 - 120*	*01/20/16 08:31*	*01/21/16 18:01*	*1*
Terphenyl-d14	*36*	*X*	*53 - 125*	*01/20/16 08:31*	*01/21/16 18:01*	*1*
2,4,6-Tribromophenol	*76*		*15 - 135*	*01/20/16 08:31*	*01/21/16 18:01*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/19/16 13:53	01/20/16 01:18	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/19/16 13:53	01/20/16 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*51 - 149*	*01/19/16 13:53*	*01/20/16 01:18*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: ROST4PZC-ROX-011516

Date Collected: 01/15/16 10:55
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	20	ug/L			01/20/16 11:11	2
Acrolein	ND		40	20	ug/L			01/20/16 11:11	2
Acrylonitrile	ND		20	5.6	ug/L			01/20/16 11:11	2
Benzene	59		2.0	0.76	ug/L			01/20/16 11:11	2
Bromobenzene	ND		2.0	1.1	ug/L			01/20/16 11:11	2
Bromochloromethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Bromodichloromethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Bromoform	ND		10	1.4	ug/L			01/20/16 11:11	2
Bromomethane	ND		2.0	2.0	ug/L			01/20/16 11:11	2
2-Butanone (MEK)	ND		50	5.2	ug/L			01/20/16 11:11	2
Carbon disulfide	1.0	J	2.0	1.0	ug/L			01/20/16 11:11	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Chlorobenzene	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Dibromochloromethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Chloroethane	ND		2.0	1.5	ug/L			01/20/16 11:11	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			01/20/16 11:11	2
Chloroform	ND		2.0	1.2	ug/L			01/20/16 11:11	2
1-Chlorohexane	ND		2.0	1.4	ug/L			01/20/16 11:11	2
Chloromethane	ND		2.0	1.7	ug/L			01/20/16 11:11	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 11:11	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			01/20/16 11:11	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			01/20/16 11:11	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			01/20/16 11:11	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			01/20/16 11:11	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Ethylbenzene	36		2.0	1.0	ug/L			01/20/16 11:11	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			01/20/16 11:11	2
Hexachlorobutadiene	ND		10	1.8	ug/L			01/20/16 11:11	2
2-Hexanone	ND		50	6.2	ug/L			01/20/16 11:11	2
Isopropylbenzene	4.4		2.0	1.1	ug/L			01/20/16 11:11	2
Methylene bromide	ND		10	1.2	ug/L			01/20/16 11:11	2
Methylene Chloride	ND		10	6.0	ug/L			01/20/16 11:11	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			01/20/16 11:11	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			01/20/16 11:11	2
m-Xylene & p-Xylene	170		10	3.2	ug/L			01/20/16 11:11	2
Naphthalene	71		2.0	2.0	ug/L			01/20/16 11:11	2
n-Butylbenzene	ND		2.0	1.5	ug/L			01/20/16 11:11	2
N-Propylbenzene	6.0		2.0	1.4	ug/L			01/20/16 11:11	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			01/20/16 11:11	2
o-Xylene	20		10	1.2	ug/L			01/20/16 11:11	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			01/20/16 11:11	2
p-Isopropyltoluene	ND		2.0	1.4	ug/L			01/20/16 11:11	2

Client Sample ID: ROST4PZC-ROX-011516

Lab Sample ID: 400-116412-3

Date Collected: 01/15/16 10:55
Date Received: 01/18/16 10:10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.0	1.4	ug/L			01/20/16 11:11	2
Styrene	ND		2.0	2.0	ug/L			01/20/16 11:11	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			01/20/16 11:11	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Tetrachloroethene	ND		2.0	1.2	ug/L			01/20/16 11:11	2
Toluene	30		2.0	1.4	ug/L			01/20/16 11:11	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			01/20/16 11:11	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			01/20/16 11:11	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			01/20/16 11:11	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			01/20/16 11:11	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			01/20/16 11:11	2
Trichloroethene	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			01/20/16 11:11	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			01/20/16 11:11	2
1,2,4-Trimethylbenzene	37		2.0	1.6	ug/L			01/20/16 11:11	2
1,3,5-Trimethylbenzene	4.0		2.0	1.1	ug/L			01/20/16 11:11	2
Vinyl acetate	ND		50	4.0	ug/L			01/20/16 11:11	2
Vinyl chloride	ND		2.0	1.0	ug/L			01/20/16 11:11	2
Xylenes, Total	190		10	1.2	ug/L			01/20/16 11:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*01/20/16 11:11*	*2*
Dibromofluoromethane	*106*		*81 - 121*		*01/20/16 11:11*	*2*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/20/16 11:11*	*2*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.46	J	2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10
Acenaphthylene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10
Anthracene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10
Benzo[a]anthracene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Benzo[a]pyrene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Benzo[b]fluoranthene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Benzo[g,h,i]perylene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Benzo[k]fluoranthene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Chrysene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Dibenz(a,h)anthracene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Fluoranthene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10
Fluorene	ND		2.0	0.21	ug/L		01/20/16 08:31	01/22/16 22:51	10
Indeno[1,2,3-cd]pyrene	ND		2.0	0.40	ug/L		01/20/16 08:31	01/22/16 22:51	10
Phenanthrene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10
Pyrene	ND		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10
1-Methylnaphthalene	20		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10
2-Methylnaphthalene	20		2.0	0.20	ug/L		01/20/16 08:31	01/22/16 22:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*64*		*33 - 138*	*01/20/16 08:31*	*01/22/16 22:51*	*10*
2-Fluorobiphenyl	*98*		*15 - 122*	*01/20/16 08:31*	*01/22/16 22:51*	*10*

Client Sample ID: ROST4PZC-ROX-011516

Lab Sample ID: 400-116412-3

Date Collected: 01/15/16 10:55
Date Received: 01/18/16 10:10

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		19 - 130	01/20/16 08:31	01/22/16 22:51	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 18:38	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 18:38	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 18:38	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 18:38	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 18:38	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 18:38	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 18:38	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 18:38	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 18:38	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 18:38	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 18:38	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 18:38	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 18:38	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 18:38	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 18:38	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 18:38	1
2,4-Dimethylphenol	4.6	J	10	3.5	ug/L		01/20/16 08:31	01/21/16 18:38	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 18:38	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 18:38	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 18:38	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 18:38	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 18:38	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 18:38	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 18:38	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 18:38	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 18:38	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 18:38	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 18:38	1
3 & 4 Methylphenol	1.0	J	20	1.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 18:38	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 18:38	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 18:38	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 18:38	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 18:38	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 18:38	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 18:38	1

Client Sample ID: ROST4PZC-ROX-011516

Date Collected: 01/15/16 10:55
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 18:38	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 18:38	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 18:38	1
Phenol	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 18:38	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 18:38	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 18:38	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 18:38	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*34 - 120*	*01/20/16 08:31*	*01/21/16 18:38*	*1*
2-Fluorophenol	*61*		*10 - 120*	*01/20/16 08:31*	*01/21/16 18:38*	*1*
Nitrobenzene-d5	*88*		*27 - 120*	*01/20/16 08:31*	*01/21/16 18:38*	*1*
Phenol-d5	*72*		*10 - 120*	*01/20/16 08:31*	*01/21/16 18:38*	*1*
Terphenyl-d14	*60*		*53 - 125*	*01/20/16 08:31*	*01/21/16 18:38*	*1*
2,4,6-Tribromophenol	*87*		*15 - 135*	*01/20/16 08:31*	*01/21/16 18:38*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/19/16 13:53	01/20/16 01:47	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		01/19/16 13:53	01/20/16 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*51 - 149*	*01/19/16 13:53*	*01/20/16 01:47*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011516-8011-B

Date Collected: 01/15/16 00:00
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-4

Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/19/16 13:53	01/20/16 02:17	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/19/16 13:53	01/20/16 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*01/19/16 13:53*	*01/20/16 02:17*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011516-8260-B
Date Collected: 01/15/16 00:00
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 09:32	1
Acrolein	ND		20	10	ug/L			01/20/16 09:32	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 09:32	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 09:32	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 09:32	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/20/16 09:32	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 09:32	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 09:32	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 09:32	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 09:32	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 09:32	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 09:32	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 09:32	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 09:32	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 09:32	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 09:32	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 09:32	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 09:32	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 09:32	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 09:32	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 09:32	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 09:32	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 09:32	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 09:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 09:32	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 09:32	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 09:32	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 09:32	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 09:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 09:32	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 09:32	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 09:32	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 09:32	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 09:32	1

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011516-8260-B

Date Collected: 01/15/16 00:00
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 09:32	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 09:32	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 09:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 09:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 09:32	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 09:32	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 09:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 09:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 09:32	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:32	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 09:32	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 09:32	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 09:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 09:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 09:32	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 09:32	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 09:32	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/20/16 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*01/20/16 09:32*	*1*
Dibromofluoromethane	*111*		*81 - 121*		*01/20/16 09:32*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*01/20/16 09:32*	*1*

Qualifiers

GC/MS VOA

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

GC/MS Semi 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.
X	Surrogate is outside control limits

Glossary

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

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-116412-1	MW22-ROX-011516	94	109	91
400-116412-2	MW22-ROX-011516-DUP	93	108	89
400-116412-3	ROST4PZC-ROX-011516	94	106	89
400-116412-5	TB-ROX-011516-8260-B	94	111	91
400-116426-A-1 MS	Matrix Spike	100	102	94
400-116426-A-1 MSD	Matrix Spike Duplicate	100	103	95
LCS 400-291031/1002	Lab Control Sample	100	104	96
MB 400-291031/4	Method Blank	93	113	92

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(34-120)	(10-120)	(27-120)	(10-120)	(53-125)	(15-135)
400-116412-1	MW22-ROX-011516	60	26	92	80	41 X	81
400-116412-2	MW22-ROX-011516-DUP	60	28	89	75	36 X	76
400-116412-3	ROST4PZC-ROX-011516	87	61	88	72	60	87
LCS 400-291056/2-A	Lab Control Sample	89	70	86	76	99	92
LCS 400-291056/4-A	Lab Control Sample	88	69	97	72	103	83
LCSD 400-291056/3-A	Lab Control Sample Dup	87	67	88	64	97	91
LCSD 400-291056/5-A	Lab Control Sample Dup	80	62	86	58	90	70
MB 400-291056/1-A	Method Blank	82	64	87	65	94	73

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPH	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-116412-1	MW22-ROX-011516	36	77	93
400-116412-2	MW22-ROX-011516-DUP	28 X	68	74
400-116412-3	ROST4PZC-ROX-011516	64	98	96
LCS 400-291056/2-A	Lab Control Sample	85	83	80
LCSD 400-291056/3-A	Lab Control Sample Dup	85	82	86
MB 400-291056/1-A	Method Blank	110	99	95

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Surrogate Legend
TPH = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**BFB2 (51-149)**
400-116412-1	MW22-ROX-011516	108
400-116412-2	MW22-ROX-011516-DUP	100
400-116412-3	ROST4PZC-ROX-011516	98
400-116412-4	TB-ROX-011516-8011-B	82
LCS 400-290999/2-A	Lab Control Sample	85
LCSD 400-290999/3-A	Lab Control Sample Dup	92
MB 400-290999/1-A	Method Blank	90

Surrogate Legend
BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: MW22-ROX-011516

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	291031	01/20/16 11:35	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291304	01/21/16 17:25	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		10	1000 mL	1 mL	291535	01/25/16 12:37	CEP	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.6 mL	35 mL	291046	01/20/16 00:48	AM	TAL PEN

Client Sample ID: MW22-ROX-011516-DUP

Date Collected: 01/15/16 09:40
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	291031	01/20/16 12:00	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291304	01/21/16 18:01	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		10	1000 mL	1 mL	291407	01/22/16 22:14	CEP	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.6 mL	35 mL	291046	01/20/16 01:18	AM	TAL PEN

Client Sample ID: ROST4PZC-ROX-011516

Date Collected: 01/15/16 10:55
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	291031	01/20/16 11:11	WPD	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291304	01/21/16 18:38	AJR	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		10	1000 mL	1 mL	291407	01/22/16 22:51	CEP	TAL PEN
Total/NA	Prep	8011			36.1 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	36.1 mL	35 mL	291046	01/20/16 01:47	AM	TAL PEN

Client Sample ID: TB-ROX-011516-8011-B

Date Collected: 01/15/16 00:00
Date Received: 01/18/16 10:10

Lab Sample ID: 400-116412-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.3 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35.3 mL	35 mL	291046	01/20/16 02:17	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: TB-ROX-011516-8260-B

Lab Sample ID: 400-116412-5
Matrix: Water

Date Collected: 01/15/16 00:00
Date Received: 01/18/16 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291031	01/20/16 09:32	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-290999/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	291046	01/19/16 18:24	AM	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-291031/1002
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291031	01/20/16 08:16	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 16:36	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291407	01/22/16 14:11	CEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-291056/4-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 17:55	KJA	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-290999/3-A
Matrix: Water

Date Collected: N/A
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	291046	01/19/16 18:54	AM	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-291056/3-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 17:16	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		5	1000 mL	1 mL	291407	01/22/16 14:48	CEP	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-291056/5-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 18:35	KJA	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-290999/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	290999	01/19/16 13:53	AM	TAL PEN
Total/NA	Analysis	8011		1	35 mL	35 mL	291046	01/19/16 17:54	AM	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-291031/4

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	291031	01/20/16 09:08	WPD	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-291056/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D		1	1000 mL	1 mL	291149	01/21/16 15:56	KJA	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	291056	01/20/16 08:31	KH1	TAL PEN
Total/NA	Analysis	8270D LL		1	1000 mL	1 mL	291407	01/22/16 13:33	CEP	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 291031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116412-1	MW22-ROX-011516	Total/NA	Water	8260B	
400-116412-2	MW22-ROX-011516-DUP	Total/NA	Water	8260B	
400-116412-3	ROST4PZC-ROX-011516	Total/NA	Water	8260B	
400-116412-5	TB-ROX-011516-8260-B	Total/NA	Water	8260B	
LCS 400-291031/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-291031/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 291056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116412-1	MW22-ROX-011516	Total/NA	Water	3520C	
400-116412-2	MW22-ROX-011516-DUP	Total/NA	Water	3520C	
400-116412-3	ROST4PZC-ROX-011516	Total/NA	Water	3520C	
LCS 400-291056/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-291056/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-291056/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-291056/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 400-291056/1-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 291149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-291056/2-A	Lab Control Sample	Total/NA	Water	8270D	291056
LCS 400-291056/4-A	Lab Control Sample	Total/NA	Water	8270D	291056
LCSD 400-291056/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	291056
LCSD 400-291056/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	291056
MB 400-291056/1-A	Method Blank	Total/NA	Water	8270D	291056

Analysis Batch: 291304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116412-1	MW22-ROX-011516	Total/NA	Water	8270D	291056
400-116412-2	MW22-ROX-011516-DUP	Total/NA	Water	8270D	291056
400-116412-3	ROST4PZC-ROX-011516	Total/NA	Water	8270D	291056

Analysis Batch: 291407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116412-2	MW22-ROX-011516-DUP	Total/NA	Water	8270D LL	291056
400-116412-3	ROST4PZC-ROX-011516	Total/NA	Water	8270D LL	291056
LCS 400-291056/2-A	Lab Control Sample	Total/NA	Water	8270D LL	291056
LCSD 400-291056/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	291056
MB 400-291056/1-A	Method Blank	Total/NA	Water	8270D LL	291056

Analysis Batch: 291535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116412-1	MW22-ROX-011516	Total/NA	Water	8270D LL	291056

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

GC Semi VOA

Prep Batch: 290999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116412-1	MW22-ROX-011516	Total/NA	Water	8011	
400-116412-2	MW22-ROX-011516-DUP	Total/NA	Water	8011	
400-116412-3	ROST4PZC-ROX-011516	Total/NA	Water	8011	
400-116412-4	TB-ROX-011516-8011-B	Total/NA	Water	8011	
LCS 400-290999/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-290999/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 400-290999/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 291046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-116412-1	MW22-ROX-011516	Total/NA	Water	8011	290999
400-116412-2	MW22-ROX-011516-DUP	Total/NA	Water	8011	290999
400-116412-3	ROST4PZC-ROX-011516	Total/NA	Water	8011	290999
400-116412-4	TB-ROX-011516-8011-B	Total/NA	Water	8011	290999
LCS 400-290999/2-A	Lab Control Sample	Total/NA	Water	8011	290999
LCSD 400-290999/3-A	Lab Control Sample Dup	Total/NA	Water	8011	290999
MB 400-290999/1-A	Method Blank	Total/NA	Water	8011	290999

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

Lab Sample ID: MB 400-291031/4
Matrix: Water
Analysis Batch: 291031

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/20/16 09:06	1
Acrolein	ND		20	10	ug/L			01/20/16 09:06	1
Acrylonitrile	ND		10	2.8	ug/L			01/20/16 09:06	1
Benzene	ND		1.0	0.38	ug/L			01/20/16 09:06	1
Bromobenzene	ND		1.0	0.54	ug/L			01/20/16 09:06	1
Bromochloromethane	ND		1.0	0.62	ug/L			01/20/16 09:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Bromoform	ND		5.0	0.71	ug/L			01/20/16 09:06	1
Bromomethane	ND		1.0	0.98	ug/L			01/20/16 09:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/20/16 09:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Chloroethane	ND		1.0	0.76	ug/L			01/20/16 09:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/20/16 09:06	1
Chloroform	ND		1.0	0.60	ug/L			01/20/16 09:06	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/20/16 09:06	1
Chloromethane	ND		1.0	0.83	ug/L			01/20/16 09:06	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 09:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/20/16 09:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/20/16 09:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/20/16 09:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/20/16 09:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/20/16 09:06	1
2-Hexanone	ND		25	3.1	ug/L			01/20/16 09:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/20/16 09:06	1
Methylene bromide	ND		5.0	0.59	ug/L			01/20/16 09:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/20/16 09:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/20/16 09:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/20/16 09:06	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/20/16 09:06	1
Naphthalene	ND		1.0	1.0	ug/L			01/20/16 09:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/20/16 09:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/20/16 09:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/20/16 09:06	1
o-Xylene	ND		5.0	0.60	ug/L			01/20/16 09:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/20/16 09:06	1

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

Lab Sample ID: MB 400-291031/4
Matrix: Water
Analysis Batch: 291031

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/20/16 09:06	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/20/16 09:06	1
Styrene	ND		1.0	1.0	ug/L			01/20/16 09:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/20/16 09:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/20/16 09:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/20/16 09:06	1
Toluene	ND		1.0	0.70	ug/L			01/20/16 09:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/20/16 09:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/20/16 09:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/20/16 09:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/20/16 09:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/20/16 09:06	1
Trichloroethene	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/20/16 09:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/20/16 09:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/20/16 09:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/20/16 09:06	1
Vinyl acetate	ND		25	2.0	ug/L			01/20/16 09:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/20/16 09:06	1
Xylenes, Total	ND		5.0	0.60	ug/L			01/20/16 09:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*01/20/16 09:06*	*1*
Dibromofluoromethane	*113*		*81 - 121*		*01/20/16 09:06*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*01/20/16 09:06*	*1*

Lab Sample ID: LCS 400-291031/1002
Matrix: Water
Analysis Batch: 291031

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	211		ug/L		106	43 - 160
Acrolein	400	415		ug/L		104	38 - 160
Acrylonitrile	500	471		ug/L		94	64 - 142
Benzene	50.0	50.6		ug/L		101	70 - 130
Bromobenzene	50.0	48.2		ug/L		96	70 - 132
Bromochloromethane	50.0	50.9		ug/L		102	70 - 130
Bromodichloromethane	50.0	53.6		ug/L		107	67 - 133
Bromoform	50.0	48.6		ug/L		97	57 - 140
Bromomethane	40.0	41.4		ug/L		103	10 - 160
2-Butanone (MEK)	200	200		ug/L		100	61 - 145
Carbon disulfide	50.0	51.8		ug/L		104	61 - 137
Carbon tetrachloride	50.0	57.4		ug/L		115	61 - 137
Chlorobenzene	50.0	47.7		ug/L		95	70 - 130
Dibromochloromethane	50.0	53.2		ug/L		106	67 - 135
Chloroethane	40.0	46.0		ug/L		115	55 - 141

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

Lab Sample ID: LCS 400-291031/1002
Matrix: Water
Analysis Batch: 291031

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	40.0	37.2		ug/L		93	10 - 160
Chloroform	50.0	49.5		ug/L		99	69 - 130
1-Chlorohexane	50.0	47.9		ug/L		96	69 - 130
Chloromethane	40.0	40.0		ug/L		100	58 - 137
cis-1,2-Dichloroethene	50.0	50.6		ug/L		101	68 - 130
cis-1,3-Dichloropropene	50.0	51.9		ug/L		104	69 - 132
1,2-Dichlorobenzene	50.0	46.5		ug/L		93	67 - 130
1,3-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 130
1,4-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 130
Dichlorodifluoromethane	40.0	42.7		ug/L		107	41 - 146
1,1-Dichloroethane	50.0	51.0		ug/L		102	70 - 130
1,2-Dichloroethane	50.0	50.9		ug/L		102	69 - 130
1,1-Dichloroethene	50.0	54.6		ug/L		109	63 - 134
1,2-Dichloropropane	50.0	49.0		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	47.5		ug/L		95	70 - 130
2,2-Dichloropropane	50.0	46.9		ug/L		94	52 - 135
1,1-Dichloropropene	50.0	50.6		ug/L		101	70 - 130
Ethylbenzene	50.0	46.7		ug/L		93	70 - 130
Ethyl methacrylate	50.0	48.4		ug/L		97	68 - 130
Hexachlorobutadiene	50.0	47.2		ug/L		94	53 - 140
2-Hexanone	200	181		ug/L		90	65 - 137
Isopropylbenzene	50.0	47.2		ug/L		94	70 - 130
Methylene bromide	50.0	51.0		ug/L		102	70 - 130
Methylene Chloride	50.0	47.7		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	187		ug/L		93	69 - 138
Methyl tert-butyl ether	50.0	47.6		ug/L		95	66 - 130
m-Xylene & p-Xylene	50.0	46.3		ug/L		93	70 - 130
Naphthalene	50.0	44.6		ug/L		89	47 - 149
n-Butylbenzene	50.0	44.0		ug/L		88	67 - 130
N-Propylbenzene	50.0	44.4		ug/L		89	70 - 130
o-Chlorotoluene	50.0	43.3		ug/L		87	70 - 130
o-Xylene	50.0	47.2		ug/L		94	70 - 130
p-Chlorotoluene	50.0	46.1		ug/L		92	70 - 130
p-Isopropyltoluene	50.0	44.7		ug/L		89	65 - 130
sec-Butylbenzene	50.0	45.1		ug/L		90	66 - 130
Styrene	50.0	46.4		ug/L		93	70 - 130
tert-Butylbenzene	50.0	56.1		ug/L		112	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/L		105	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.4		ug/L		97	70 - 131
Tetrachloroethene	50.0	39.4		ug/L		79	65 - 130
Toluene	50.0	47.2		ug/L		94	70 - 130
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	45.1		ug/L		90	63 - 130
1,2,3-Trichlorobenzene	50.0	46.9		ug/L		94	60 - 138
1,2,4-Trichlorobenzene	50.0	48.6		ug/L		97	60 - 140
1,1,1-Trichloroethane	50.0	52.5		ug/L		105	68 - 130
1,1,2-Trichloroethane	50.0	47.3		ug/L		95	70 - 130
Trichloroethene	50.0	51.7		ug/L		103	70 - 130

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

Lab Sample ID: LCS 400-291031/1002
Matrix: Water
Analysis Batch: 291031

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	40.0	44.2		ug/L		111	65 - 138
1,2,3-Trichloropropane	50.0	47.5		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	46.6		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	50.0	47.2		ug/L		94	69 - 130
Vinyl acetate	80.0	105		ug/L		131	26 - 160
Vinyl chloride	40.0	44.8		ug/L		112	59 - 136
Xylenes, Total	100	93.5		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

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Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-291056/1-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
Benzenethiol	ND		10	1.7	ug/L		01/20/16 08:31	01/21/16 15:56	1
Benzoic acid	ND		30	7.3	ug/L		01/20/16 08:31	01/21/16 15:56	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Bis(2-chloroethoxy)methane	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 15:56	1
Bis(2-chloroethyl)ether	ND		10	0.74	ug/L		01/20/16 08:31	01/21/16 15:56	1
bis (2-chloroisopropyl) ether	ND		10	0.81	ug/L		01/20/16 08:31	01/21/16 15:56	1
Bis(2-ethylhexyl) phthalate	ND		10	2.3	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Bromophenyl phenyl ether	ND		10	0.32	ug/L		01/20/16 08:31	01/21/16 15:56	1
Butyl benzyl phthalate	ND		10	0.69	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Chloronaphthalene	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Dibenz[a,h]acridine	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Dibenzofuran	ND		10	0.52	ug/L		01/20/16 08:31	01/21/16 15:56	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Diethyl phthalate	ND		10	0.70	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 15:56	1
Dimethyl phthalate	ND		10	0.60	ug/L		01/20/16 08:31	01/21/16 15:56	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/16 08:31	01/21/16 15:56	1
4,6-Dinitro-ortho-cresol	ND		10	2.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/16 08:31	01/21/16 15:56	1
Di-n-octyl phthalate	ND		10	0.44	ug/L		01/20/16 08:31	01/21/16 15:56	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-291056/1-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Hexachlorobenzene	ND		10	0.25	ug/L		01/20/16 08:31	01/21/16 15:56	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/16 08:31	01/21/16 15:56	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
Indene	ND		10	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
Isophorone	ND		10	0.57	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
3 & 4 Methylphenol	ND		20	1.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Nitroaniline	ND		10	2.5	ug/L		01/20/16 08:31	01/21/16 15:56	1
Nitrobenzene	ND		10	0.55	ug/L		01/20/16 08:31	01/21/16 15:56	1
2-Nitrophenol	ND		10	0.65	ug/L		01/20/16 08:31	01/21/16 15:56	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/16 08:31	01/21/16 15:56	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 15:56	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/16 08:31	01/21/16 15:56	1
N-Nitrosodiphenylamine	ND		10	0.47	ug/L		01/20/16 08:31	01/21/16 15:56	1
Pentachlorophenol	ND		20	1.8	ug/L		01/20/16 08:31	01/21/16 15:56	1
Phenol	ND		10	2.6	ug/L		01/20/16 08:31	01/21/16 15:56	1
Pyridine	ND		10	3.2	ug/L		01/20/16 08:31	01/21/16 15:56	1
Quinoline	ND		10	6.0	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/16 08:31	01/21/16 15:56	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/16 08:31	01/21/16 15:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*34 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
2-Fluorophenol	*64*		*10 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
Nitrobenzene-d5	*87*		*27 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
Phenol-d5	*65*		*10 - 120*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
Terphenyl-d14	*94*		*53 - 125*	*01/20/16 08:31*	*01/21/16 15:56*	*1*
2,4,6-Tribromophenol	*73*		*15 - 135*	*01/20/16 08:31*	*01/21/16 15:56*	*1*

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	25.4		ug/L		85	10 - 145
Benzoic acid	127	59.5		ug/L		47	10 - 120
Benzyl alcohol	30.0	29.1		ug/L		97	51 - 121
Bis(2-chloroethoxy)methane	30.0	26.4		ug/L		88	54 - 123
Bis(2-chloroethyl)ether	30.0	25.5		ug/L		85	47 - 120
bis (2-chloroisopropyl) ether	30.0	26.9		ug/L		90	20 - 142
Bis(2-ethylhexyl) phthalate	30.0	30.6		ug/L		102	62 - 140
4-Bromophenyl phenyl ether	30.0	29.0		ug/L		97	62 - 132
Butyl benzyl phthalate	30.0	31.6		ug/L		105	51 - 150

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloroaniline	30.0	25.1		ug/L		84	32 - 128
4-Chloro-3-methylphenol	30.0	28.4		ug/L		95	47 - 135
2-Chloronaphthalene	30.0	26.8		ug/L		89	24 - 150
2-Chlorophenol	30.0	25.6		ug/L		85	45 - 120
4-Chlorophenyl phenyl ether	30.0	28.2		ug/L		94	61 - 133
Dibenz[a,h]acridine	30.0	24.4		ug/L		81	60 - 131
Dibenzofuran	30.0	28.1		ug/L		94	62 - 124
3,3'-Dichlorobenzidine	40.0	43.3		ug/L		108	16 - 167
2,4-Dichlorophenol	30.0	27.4		ug/L		91	52 - 125
Diethyl phthalate	30.0	28.7		ug/L		96	55 - 140
2,4-Dimethylphenol	30.0	26.3		ug/L		88	52 - 121
Dimethyl phthalate	30.0	28.2		ug/L		94	50 - 133
Di-n-butyl phthalate	30.0	28.9		ug/L		96	59 - 144
4,6-Dinitro-ortho-cresol	60.0	62.2		ug/L		104	46 - 136
2,4-Dinitrophenol	110	97.2		ug/L		88	22 - 146
2,4-Dinitrotoluene	30.0	31.5		ug/L		105	54 - 141
2,6-Dinitrotoluene	30.0	30.9		ug/L		103	61 - 130
Di-n-octyl phthalate	30.0	30.8		ug/L		103	55 - 140
1,4-Dioxane	30.0	18.8		ug/L		63	10 - 130
1,2-Diphenylhydrazine (as Azobenzene)	30.0	28.5		ug/L		95	55 - 139
Hexachlorobenzene	30.0	28.9		ug/L		96	60 - 138
Hexachlorocyclopentadiene	30.0	20.0		ug/L		67	1 - 139
Hexachloroethane	30.0	22.2		ug/L		74	46 - 121
Indene	30.0	24.8		ug/L		83	17 - 141
Isophorone	30.0	26.2		ug/L		87	57 - 122
2-Methylphenol	30.0	27.4		ug/L		91	38 - 121
3 & 4 Methylphenol	30.0	27.1		ug/L		90	43 - 126
2-Nitroaniline	30.0	33.8		ug/L		113	52 - 135
3-Nitroaniline	30.0	32.9		ug/L		110	51 - 128
4-Nitroaniline	30.0	30.5		ug/L		102	38 - 141
Nitrobenzene	30.0	26.6		ug/L		89	52 - 128
2-Nitrophenol	30.0	27.2		ug/L		91	47 - 129
4-Nitrophenol	60.0	51.8		ug/L		86	34 - 137
N-Nitrosodimethylamine	30.0	27.3		ug/L		91	21 - 134
N-Nitrosodi-n-propylamine	30.0	29.8		ug/L		99	41 - 143
N-Nitrosodiphenylamine	64.9	60.7		ug/L		94	10 - 185
Pentachlorophenol	60.0	49.9		ug/L		83	38 - 138
Phenol	30.0	25.4		ug/L		85	37 - 120
Pyridine	30.0	19.0		ug/L		63	10 - 127
Quinoline	30.0	25.6		ug/L		85	10 - 164
2,4,5-Trichlorophenol	30.0	28.3		ug/L		94	53 - 130
2,4,6-Trichlorophenol	30.0	28.4		ug/L		95	52 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*34 - 120*
2-Fluorophenol	*70*		*10 - 120*
Nitrobenzene-d5	*86*		*27 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d5	*76*		*10 - 120*
Terphenyl-d14	*99*		*53 - 125*
2,4,6-Tribromophenol	*92*		*15 - 135*

Lab Sample ID: LCS 400-291056/4-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	19.0		ug/L		63	20 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*34 - 120*
2-Fluorophenol	*69*		*10 - 120*
Nitrobenzene-d5	*97*		*27 - 120*
Phenol-d5	*72*		*10 - 120*
Terphenyl-d14	*103*		*53 - 125*
2,4,6-Tribromophenol	*83*		*15 - 135*

Lab Sample ID: LCSD 400-291056/3-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	19.4		ug/L		65	10 - 145	27	30
Benzoic acid	127	50.2		ug/L		39	10 - 120	17	30
Benzyl alcohol	30.0	26.8		ug/L		89	51 - 121	8	30
Bis(2-chloroethoxy)methane	30.0	24.8		ug/L		83	54 - 123	6	30
Bis(2-chloroethyl)ether	30.0	24.2		ug/L		81	47 - 120	5	30
bis (2-chloroisopropyl) ether	30.0	26.0		ug/L		87	20 - 142	3	30
Bis(2-ethylhexyl) phthalate	30.0	29.1		ug/L		97	62 - 140	5	30
4-Bromophenyl phenyl ether	30.0	27.5		ug/L		92	62 - 132	5	30
Butyl benzyl phthalate	30.0	29.8		ug/L		99	51 - 150	6	30
4-Chloroaniline	30.0	21.4		ug/L		71	32 - 128	16	30
4-Chloro-3-methylphenol	30.0	26.6		ug/L		89	47 - 135	7	30
2-Chloronaphthalene	30.0	26.0		ug/L		87	24 - 150	3	30
2-Chlorophenol	30.0	24.3		ug/L		81	45 - 120	5	30
4-Chlorophenyl phenyl ether	30.0	27.2		ug/L		91	61 - 133	3	30
Dibenz[a,h]acridine	30.0	24.7		ug/L		82	60 - 131	1	30
Dibenzofuran	30.0	27.0		ug/L		90	62 - 124	4	30
3,3'-Dichlorobenzidine	40.0	40.6		ug/L		102	16 - 167	7	30
2,4-Dichlorophenol	30.0	25.7		ug/L		86	52 - 125	6	30
Diethyl phthalate	30.0	27.4		ug/L		91	55 - 140	5	30
2,4-Dimethylphenol	30.0	24.6		ug/L		82	52 - 121	6	30
Dimethyl phthalate	30.0	26.5		ug/L		88	50 - 133	6	30
Di-n-butyl phthalate	30.0	27.7		ug/L		92	59 - 144	4	30
4,6-Dinitro-ortho-cresol	60.0	61.9		ug/L		103	46 - 136	0	30
2,4-Dinitrophenol	110	101		ug/L		92	22 - 146	4	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-291056/3-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	30.0	31.0		ug/L		103	54 - 141	2	30
2,6-Dinitrotoluene	30.0	29.8		ug/L		99	61 - 130	3	30
Di-n-octyl phthalate	30.0	29.3		ug/L		98	55 - 140	5	30
1,4-Dioxane	30.0	18.7		ug/L		62	10 - 130	1	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	27.1		ug/L		90	55 - 139	5	30
Hexachlorobenzene	30.0	27.6		ug/L		92	60 - 138	5	30
Hexachlorocyclopentadiene	30.0	19.4	J	ug/L		65	1 - 139	3	30
Hexachloroethane	30.0	22.3		ug/L		74	46 - 121	1	30
Indene	30.0	24.7		ug/L		82	17 - 141	0	30
Isophorone	30.0	25.0		ug/L		83	57 - 122	5	30
2-Methylphenol	30.0	25.1		ug/L		84	38 - 121	9	30
3 & 4 Methylphenol	30.0	24.2		ug/L		81	43 - 126	12	30
2-Nitroaniline	30.0	31.4		ug/L		105	52 - 135	7	30
3-Nitroaniline	30.0	31.1		ug/L		104	51 - 128	6	30
4-Nitroaniline	30.0	29.4		ug/L		98	38 - 141	4	30
Nitrobenzene	30.0	25.8		ug/L		86	52 - 128	3	30
2-Nitrophenol	30.0	26.4		ug/L		88	47 - 129	3	30
4-Nitrophenol	60.0	41.9		ug/L		70	34 - 137	21	30
N-Nitrosodimethylamine	30.0	26.1		ug/L		87	21 - 134	5	30
N-Nitrosodi-n-propylamine	30.0	28.5		ug/L		95	41 - 143	5	30
N-Nitrosodiphenylamine	64.9	59.0		ug/L		91	10 - 185	3	30
Pentachlorophenol	60.0	47.2		ug/L		79	38 - 138	5	30
Phenol	30.0	20.7		ug/L		69	37 - 120	20	30
Pyridine	30.0	15.1		ug/L		50	10 - 127	23	30
Quinoline	30.0	22.0		ug/L		73	10 - 164	15	30
2,4,5-Trichlorophenol	30.0	26.8		ug/L		89	53 - 130	6	30
2,4,6-Trichlorophenol	30.0	26.7		ug/L		89	52 - 131	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*34 - 120*
2-Fluorophenol	*67*		*10 - 120*
Nitrobenzene-d5	*88*		*27 - 120*
Phenol-d5	*64*		*10 - 120*
Terphenyl-d14	*97*		*53 - 125*
2,4,6-Tribromophenol	*91*		*15 - 135*

Lab Sample ID: LCSD 400-291056/5-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	19.8		ug/L		66	20 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*34 - 120*
2-Fluorophenol	*62*		*10 - 120*
Nitrobenzene-d5	*86*		*27 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-291056/5-A
Matrix: Water
Analysis Batch: 291149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5	58		10 - 120
Terphenyl-d14	90		53 - 125
2,4,6-Tribromophenol	70		15 - 135

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-291056/1-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Acenaphthylene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Anthracene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[a]anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[a]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[b]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[g,h,i]perylene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Benzo[k]fluoranthene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Chrysene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Dibenz(a,h)anthracene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Fluoranthene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Fluorene	ND		0.20	0.021	ug/L		01/20/16 08:31	01/22/16 13:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.040	ug/L		01/20/16 08:31	01/22/16 13:33	1
Phenanthrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
Pyrene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
1-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1
2-Methylnaphthalene	ND		0.20	0.020	ug/L		01/20/16 08:31	01/22/16 13:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	110		33 - 138	01/20/16 08:31	01/22/16 13:33	1
2-Fluorobiphenyl	99		15 - 122	01/20/16 08:31	01/22/16 13:33	1
Nitrobenzene-d5	95		19 - 130	01/20/16 08:31	01/22/16 13:33	1

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	26.4		ug/L		88	41 - 120
Acenaphthylene	30.0	26.3		ug/L		88	44 - 120
Anthracene	30.0	25.9		ug/L		86	49 - 120
Benzo[a]anthracene	30.0	26.7		ug/L		89	61 - 135
Benzo[a]pyrene	30.0	25.8		ug/L		86	52 - 120
Benzo[b]fluoranthene	30.0	29.2		ug/L		97	53 - 134
Benzo[g,h,i]perylene	30.0	26.2		ug/L		87	47 - 133
Benzo[k]fluoranthene	30.0	25.8		ug/L		86	57 - 134

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-291056/2-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	30.0	27.3		ug/L		91	55 - 122
Dibenz(a,h)anthracene	30.0	29.8		ug/L		99	48 - 146
Fluoranthene	30.0	26.4		ug/L		88	54 - 128
Fluorene	30.0	28.2		ug/L		94	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	28.7		ug/L		96	43 - 142
Phenanthrene	30.0	26.1		ug/L		87	48 - 120
Pyrene	30.0	26.6		ug/L		89	48 - 132
1-Methylnaphthalene	30.0	25.6		ug/L		85	41 - 120
2-Methylnaphthalene	30.0	25.8		ug/L		86	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*85*		*33 - 138*
2-Fluorobiphenyl	*83*		*15 - 122*
Nitrobenzene-d5	*80*		*19 - 130*

Lab Sample ID: LCSD 400-291056/3-A
Matrix: Water
Analysis Batch: 291407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 291056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	24.8		ug/L		83	41 - 120	6	56
Acenaphthylene	30.0	24.9		ug/L		83	44 - 120	5	56
Anthracene	30.0	24.1		ug/L		80	49 - 120	7	51
Benzo[a]anthracene	30.0	25.1		ug/L		84	61 - 135	6	49
Benzo[a]pyrene	30.0	24.0		ug/L		80	52 - 120	7	50
Benzo[b]fluoranthene	30.0	27.3		ug/L		91	53 - 134	7	54
Benzo[g,h,i]perylene	30.0	24.2		ug/L		81	47 - 133	8	50
Benzo[k]fluoranthene	30.0	25.4		ug/L		85	57 - 134	2	52
Chrysene	30.0	25.8		ug/L		86	55 - 122	5	50
Dibenz(a,h)anthracene	30.0	27.9		ug/L		93	48 - 146	7	50
Fluoranthene	30.0	24.3		ug/L		81	54 - 128	8	52
Fluorene	30.0	26.4		ug/L		88	45 - 125	7	56
Indeno[1,2,3-cd]pyrene	30.0	26.5		ug/L		88	43 - 142	8	51
Phenanthrene	30.0	24.4		ug/L		81	48 - 120	7	56
Pyrene	30.0	25.5		ug/L		85	48 - 132	4	52
1-Methylnaphthalene	30.0	26.3		ug/L		88	41 - 120	3	55
2-Methylnaphthalene	30.0	26.4		ug/L		88	32 - 124	2	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*85*		*33 - 138*
2-Fluorobiphenyl	*82*		*15 - 122*
Nitrobenzene-d5	*86*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-290999/1-A
Matrix: Water
Analysis Batch: 291046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/19/16 13:53	01/19/16 17:54	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/19/16 13:53	01/19/16 17:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*51 - 149*	*01/19/16 13:53*	*01/19/16 17:54*	*1*

Lab Sample ID: LCS 400-290999/2-A
Matrix: Water
Analysis Batch: 291046

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.100	0.0887		ug/L		89	60 - 140
1,2-Dibromoethane	0.100	0.0861		ug/L		86	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*51 - 149*

Lab Sample ID: LCSD 400-290999/3-A
Matrix: Water
Analysis Batch: 291046

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.100	0.0889		ug/L		89	60 - 140	0	30
1,2-Dibromoethane	0.100	0.0869		ug/L		87	60 - 140	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)

Lab Vendor # 1334589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW POG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV. SERVICES	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO PLANET # APPLIES
Bob Billman	25278	DATE: 15 Jan. 2016
PO: #	GSAP Project ID	PAGE: 1 of 1
60477387 - 1.03.001/1.030011	USPC00114/R02	

SAMPLING COMPANY	LOG CODE	SITE ADDRESS: Street and City	State	AECOM Project / Task Number:
AECOM		930 South Central Ave; ROXANA	IL	Roxana Quarterly GW 60477387 - 1.03.001/1.030011

ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Lindsay Rathnow

TELEPHONE	FAX	E-MAIL
314-429-0100	314-429-0462	bob.billman@aecom.com; elizabeth.kunkel@aecom.com; lindsay.rathnow@aecom.com

INVOICE TO: Name, Company, Office Location | PHONE NO. | E-MAIL | AECOM User ID

SAMPLER NAME(S) (Print): B. KICA / D. HAXEL

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login
* Please run preserved and unpreserved 8260 VOCs concurrently

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST 60477387 - 1.03.0011: VOC 8011	PAH 8270LL	NON-UNIT COST 60477387 - 1.03.001: VOC 8260	SVOC 8270
	MW22-ROX-011516	1/13/16	0940	water	4			3		7	X	X	X	X
	MW-22-ROX-011516-DUP		0940		4			3		7	X	X	X	X
	ROST4PZC-ROX-011516		1055		4			3		7	X	X	X	X
	TB-ROX-011516-8011-B		0000		2					2	X			
	TB-ROX-011516-8260-B		0000		2					2			X	

460-116412 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

15 Jan. 2016

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	FedEx 8092 2040 7962	15 Jan. 2016	
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		1/18/16	0855
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Version: 14Dec15

Test America custody seals: 784649 784650

0.0°C IR6

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1/28/2016

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-116412-1
SDG Number: Proj. 60477387-1.03.001/1.03.0011

Login Number: 116412
List Number: 1
Creator: Perez, Trina M

List Source: TestAmerica Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	0.0°C IR-6
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW - 1Q16

TestAmerica Job ID: 400-116412-1
SDG: Proj. 60477387-1.03.001/1.03.0011

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	01-31-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	01-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-15 *
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

Appendix B.
Groundwater Monitoring Well Redevelopment Sheets

GROUNDWATER REDEVELOPMENT DATA SHEET

PROJECT NAME: Well Redevelopment PROJECT NUMBER: 60477387-2.02.001 / 60477387-1.03.001
DATE: 3/16/16
WEATHER: Sunny
FIELD PERSONNEL: J. Peters / C. Williams
MONITORING WELL ID: MW6A

INITIAL DATA

Well Diameter: 2 in.
Total Depth of Well: 44.11 ft btoc
Depth to Water: 28.80 ft btoc
Height of Water Column: 15.31 ft
(0.163 gallons/ft for 2 inch well, 1.468 gallons/ft for 6-inch well)

Gallons/Lin.Ft: 0.163 2.49
Vol. Of Water Column: gallons
Min. Purge Volume: 7.48 gallons (3 volumes)
Depth to Top of Screen: ft btoc

~~Water Added during Drilling/Installation:~~ gallons
~~Total Water to be Removed:~~ ~~gallons (3 volumes)~~
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Purge Method: 2 4 9 5 5 3

Stabilized: +/- 0.2 +/- 1 °C +/- 10 % visually sediment free

Purge Volume (gals)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (µmhos/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)

PARAMETERS NOT COLLECTED PER SOP

Start Time: 1045 Purge Stop Time: 1111 Elapsed Time: 26 min. Total Volume Purged: 12 gallons
Average Purge Rate (gallons/min): 0.5 Well Volumes Purged: Water Quality Meter ID: N/A Calibrated on: N/A

SAMPLING DATA

Sampling Method:

Sample Date: N/A Sample Time: N/A Analysis: N/A

COMMENTS:

DTB = 44.11 ft btoc prior to development Is the purgewater visually sediment free? YES ☒ NO ☐
DTB = 44.15 ft btoc after development

GROUNDWATER REDEVELOPMENT DATA SHEET

PROJECT NAME: Well Redevelopment **PROJECT NUMBER:** 60477387-2.02.001
DATE: 3/25/16
WEATHER: Sunny 56°
FIELD PERSONNEL: D. Hazel C. Williams
MONITORING WELL ID: MW27

INITIAL DATA

Well Diameter: 2 in.
Total Depth of Well: 47.96 ft btoc
Depth to Water: 39.55 ft btoc
Height of Water Column: 8.41 ft
(0.163 gallons/ft for 2 inch well, 1.468 gallons/ft for 6-inch well)

Gallons/Lin.Ft: 0.163
Vol. Of Water Column: 1.37 gallons
Min. Purge Volume: 4.11 gallons (3 volumes)
Depth to Top of Screen: ft btoc

~~**Water Added during Drilling/Installation:** gallons~~
~~**Total Water to be Removed:** gallons (3 volumes)~~
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 40.9 ppm

PURGE DATA

Purge Method: Hurricane/whale pump

Stabilized: +/- 0.2 +/- 1 °C +/- 10 % visually sediment free

Purge Volume (gals)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (µmhos/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)

PARAMETERS NOT COLLECTED PER SOP

Start Time: 1445 **Purge Stop Time:** 1520 **Elapsed Time:** 35 min. **Total Volume Purged:** 25 gallons
Average Purge Rate (gallons/min): 0.71 **Well Volumes Purged:** **Water Quality Meter ID:** N/A **Calibrated on:** N/A

SAMPLING DATA

Sampling Method:

Sample Date: N/A **Sample Time:** N/A **Analysis:** N/A

COMMENTS:

DTB = 47.96 ft btoc prior to development Is the purgewater visually sediment free? YES ☒ NO ☐
DTB = 50.04 ft btoc after development
Moderate bottom

GROUNDWATER REDEVELOPMENT DATA SHEET

PROJECT NAME: Well Redevelopment **PROJECT NUMBER:** 604 77387-2.02.001
DATE: 3/21/16
WEATHER: Sunny
FIELD PERSONNEL: C. Williams E. Schumacher
MONITORING WELL ID: P43B

INITIAL DATA

Well Diameter: 2 in.
Total Depth of Well: 76.74 ft btoc
Depth to Water: 44.01 ft btoc
Height of Water Column: 32.73 ft
(0.163 gallons/ft for 2 inch well, 1.468 gallons/ft for 6-inch well)

Gallons/Lin.Ft: 0.163
Vol. Of Water Column: 5.33 gallons
Min. Purge Volume: 16.00 gallons (3 volumes)
Depth to Top of Screen: ft btoc

~~**Water Added during Drilling/Installation:** gallons~~
~~**Total Water to be Removed:** gallons (3 volumes)~~
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 1.7 ppm

PURGE DATA

Purge Method: Hurricane

Stabilized: +/- 0.2 +/- 1 °C +/- 10 % visually sediment free

Purge Volume (gals)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (µmhos/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)

PARAMETERS NOT COLLECTED PER SOP

Start Time: 1040 **Purge Stop Time:** 1105 **Elapsed Time:** 25 min **Total Volume Purged:** 20 gallons
Average Purge Rate (gallons/min): 0.8 **Well Volumes Purged:** **Water Quality Meter ID:** N/A **Calibrated on:** N/A

SAMPLING DATA

Sampling Method:

Sample Date: N/A **Sample Time:** N/A **Analysis:** N/A

COMMENTS:

DTB = 76.74 ft btoc prior to development
DTB = 76.78 ft btoc after development

Is the purgewater visually sediment free? YES ☒ NO ☐

Appendix C.
Groundwater Sampling Data Sheets

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Koca / D. Haxel

DATE: 8 Jan. 2016 WEATHER: Cloudy 46°

MONITORING WELL ID: MW-1 SAMPLE ID: MW1-ROX-010816

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 59.13 ft
Depth to Water (btoc): 40.93 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 48.80 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 18.20 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 53.80 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ____ ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ____ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ____ ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ____ ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 30.5 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	0943	40.93	slightly cloudy	NONE	6.22	1.290	184	1.76	70.24	16.20
600	0945	"			6.53	1.317	204	0.61	91.84	16.55
1200	0947	40.90			6.63	1.330	199	0.54	88.18	16.88
1800	0949				6.67	1.336	180	0.46	80.59	17.21
2400	0951				6.69	1.340	153	0.13	81.82	17.45
3000	0953				6.70	1.341	140	0.06	63.23	17.61
3600	0955				6.69	1.341	117	0.07	50.59	17.73
4200	0957				6.68	1.342	97	0.06	35.22	17.78
4800	0959				6.68	1.341	83	0.06	26.29	17.80
5400	1001				6.68	1.343	71	0.04	20.63	17.82
6000	1003				6.68	1.344	63	0.03	19.95	17.92

STABLE: (over 3 readings) +/- 0.2 | +/-5% | +/-20 mV | +/-0.2 mg/L or +/-10% | Monitor Turb Readings (<50) | Monitor Temp

David Haxel
8 Jan. 2016

Start Time: 0943 Elapsed Time (min): 20 Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 1003 Average Purge Rate (mL/min): 300 Date Calibrated: 8 Jan. 2016

SAMPLING DATA

Sample Date: 8 Jan. 2016 Sample Time: 1010 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: None

VOA Vials, No Headspace ☒ Initials: D.H.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 6000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: B. Koca / P. Haxel

DATE: 14 JAN. 2016 | WEATHER: Sunny 50°

MONITORING WELL ID: MW-2 | SAMPLE ID: MW2-ROX-011416 / MW2-ROX-011416-UN

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 60.20 ft
Depth to Water (btoc): 42.04 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 49.87 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 18.16 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 54.87 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ____ ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ____ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ____ ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ____ ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 192.0 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

STABLE (over 3 readings): +/- 0.2 | +/-5% | +/-20 mV | +/-0.2 mg/L or +/-10% | Monitor Turb Readings (<50) | Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1116	42.04	clear	slight	6.96	1.555	-76	1.08	20.94	17.39
600	1118	"			6.86	1.601	-95	0.35	27.38	17.68
1200	1120	42.03			6.84	1.610	-109	0.14	31.46	18.06
1800	1122				6.85	1.610	-121	0.03	34.85	18.35
2400	1124				6.84	1.607	-132	-0.04	31.77	18.71
3000	1126				6.85	1.597	-143	-0.07	27.40	19.17
3600	1128				6.85	1.592	-154	-0.09	25.10	19.38
4200	1130				6.84	1.589	-163	-0.09	23.29	19.41
4800	1132				6.84	1.589	-172	-0.10	20.74	19.48
5400	1134				6.84	1.590	-180	-0.10	21.92	19.51

14 JAN. 2016

Start Time: 1116 | Elapsed Time (min): 18 | Water Quality Meter ID & SN: TROLL 9500 - R25194

Stop Time: 1134 | Average Purge Rate (mL/min): 300 | Date Calibrated: 14 JAN. 2016

SAMPLING DATA

Sample Date: 14 JAN. 2016 | Sample Time: 1140 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 300 | QA/QC Samples: Unpreserved VOAs + trip blanks

VOA Vials, No Headspace ☒ Initials: DCH.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 5400 mL

LOW FLOW GROUNDW[illegible]R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: B. KOCA / D. HAXEL

DATE: 1-7-16 | WEATHER: Cloudy 45°

MONITORING WELL ID: MW-3 | SAMPLE ID: MW3-ROX-010716

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.00 ft
Depth to Water (btoc): 27.92 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 34.67 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 17.08 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Top of Screen + 0.5*(Screen Length) =	39.67 ft btoc
If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Water + 0.5*(Water Column Height) =	ft btoc
If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper =	39.67 D.F ft btoc
If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) =	ft btoc
If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft =	ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 31.5 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1333	27.92	clear	NONE	6.64	1.307	-62	0.83	23.71	17.43
600	1336				6.80	1.304	-91	0.34	16.44	17.75
1200	1337				6.85	1.303	-107	0.21	15.18	17.92
1800	1339				6.89	1.302	-116	0.15	11.64	18.13
2400	1341				6.92	1.300	-121	0.11	12.59	18.20
3000	1343				6.93	1.300	-125	0.08	11.58	18.27
3600	1345				6.94	1.302	-128	0.07	13.88	18.29

7 JAN. 2016

Start Time: 1333 | Elapsed Time (min): 12 | Water Quality Meter ID & SN: TROLL 9500 -- R25194
Stop Time: 1345 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7 JAN. 2016

SAMPLING DATA

Sample Date: 7 JAN. 2016 | Sample Time: 1350 | Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 300 | QA/QC Samples: NONE
VOA Vials, No Headspace ☒ Initials: DA

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / G. Schumacher

DATE: 1-13-16 WEATHER: SUNNY 47°

MONITORING WELL ID: MW-4 SAMPLE ID: MW4-ROX-011316

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 55.39 ft
Depth to Water (btoc): 39.10 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 45.06 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 16.29 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ~~N/A~~ 50.06 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ~~50.06~~ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 87.3 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1458	39.11	CLEAR	SLIGHT	6.89	1.258	-91	0.58	25.17	16.81
800	1500	39.10			6.86	1.277	-93	0.30	-12.78	17.17
1200	1501	39.10			6.85	1.287	-96	0.17	0.7904	17.45
2000	1503				6.85	1.293	-98	0.13	-3.706	17.66
2400	1504				6.84	1.295	-99	0.08	27.66	17.75
3200	1506				6.84	1.296	-100	0.08	13.07	17.84
3600	1507				6.84	1.296	-101	0.04	-13.72	17.92

1-13-16

Start Time: 1458 Elapsed Time (min): 10 MINS Water Quality Meter ID & SN: TROLL 9500 -- R26431

Stop Time: 1508 Average Purge Rate (mL/min): 400 Date Calibrated: 1-13-16

SAMPLING DATA

Sample Date: 1-13-16 Sample Time: 1515 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NONE

VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Koca / D. Haxel

DATE: 14 Jan. 2016 WEATHER: Sunny 48°

MONITORING WELL ID: MW-5 SAMPLE ID: MW5-ROX-011416 / MW5-ROX-011416-DUP

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 44.30 ft
Depth to Water (btoc): ~~27.19~~ 27.19 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 33.97 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 17.11 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 38.97 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 67.3 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1011	27.19	clear	slight	6.34	1.429	-6	1.43	34.31	17.51
600	1013	27.20			6.49	1.484	-40	0.44	31.85	17.49
1200	1015				6.56	1.504	-53	0.24	30.89	17.46
1800	1017				6.60	1.506	-62	0.15	32.84	17.58
2400	1019				6.63	1.512	-69	0.10	33.61	17.32
3000	1021				6.65	1.512	-74	0.12	31.40	16.89
3600	1023				6.67	1.515	-77	0.07	29.26	16.96
4200	1025				6.68	1.511	-81	0.06	26.84	17.31
4800	1027				6.69	1.507	-85	0.07	24.22	17.22
5400	1029				6.70	1.503	-87	0.11	21.55	17.10
						Dried out				
						14 Jan.	2016			

Start Time: 1011
Stop Time: 1029

Elapsed Time (min): 18
Average Purge Rate (mL/min): 300

Water Quality Meter ID & SN: TROLL 9500 -- R25194
Date Calibrated: 14 Jan. 2016

SAMPLING DATA

Sample Date: 14 Jan. 2016
Sample Method: Monsoon Pump / Low Flow
VOA Vials, No Headspace ☒ Initials: DH

Sample Time: 1035
Sample Flow Rate (mL/min): 300

Lab Analysis: VOC, SVOC
QA/QC Samples: Unpreserved VOAs + Trip Blanks

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 5400 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW **PROJECT NUMBER:** 60477387 - 1.03.001 **FIELD PERSONNEL:** Haxel / Jansen

DATE: 1-11-16 **WEATHER:** 20° sunny

MONITORING WELL ID: MW-6A **SAMPLE ID:** MW6A-ROX-011116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.16 ft
Depth to Water (btoc): 29.36 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 34.83 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): ~~16.80~~ 15.80 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 39.83 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ____ ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = — ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1042	29.36	Brown cloudy	Slight	6.69	1.387	-39	0.29	239.4	15.23
600	1044	29.36	↓	↓	6.61	1.401	-51	0.14	164.9	15.50
1200	1046	29.36	↓	↓	6.60	1.408	-58	0.08	120.3	15.65
1800	1048	29.36	clear	clear/none	6.59	1.413	-64	0.04	89.32	16.16
2400	1050	29.35	↓	↓	6.59	1.404	-68	0.01	71.47	16.25
3000	1052	29.35	↓	↓	6.59	1.410	-70	0.02	63.46	15.70
3600	1054	29.35	↓	↓	6.59	1.412	-72	0.02	51.08	15.81
4200	1056	29.35	↓	↓	6.60	1.413	-74	0.00	42.51	15.82
4800	1058	29.34	↓	↓	6.60	1.412	-76	-0.01	34.53	15.88

Susie Jansen 011116

Start Time: 1042 **Elapsed Time (min):** ~~SJ 1110~~ 18 **Water Quality Meter ID & SN:** TROLL 9500 R25194

Stop Time: 1100 **Average Purge Rate (mL/min):** 300 **Date Calibrated:** 01-11-16

SAMPLING DATA

Sample Date: 011116 **Sample Time:** 1110 **Lab Analysis:** VOC, SVOC

Sample Method: Monsoon Pump / Low Flow **Sample Flow Rate (mL/min):** 300 **QA/QCSamples:** NONE

VOA Vials, No Headspace ☒ **Initials:** SG

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4800 mL

LOW FLOW GROUNDW. .R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: Haxel Iganson

DATE: 1/11/16 | WEATHER: 20° overcast

MONITORING WELL ID: MW-6B | SAMPLE ID: MW6B-ROX-011116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 69.38 ft
Depth to Water (btoc): 29.41 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 64.05 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): SJ ~~34.64~~ 39.97 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Top of Screen + 0.5*(Screen Length) =	66.55 ft btoc
If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Water + 0.5*(Water Column Height) =	/ ft btoc
If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper =	/ ft btoc
If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) =	/ ft btoc
If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft =	/ ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 53.9 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0 SJ	0940	29.42	clear	none	6.71	1.060	-25	0.11	3.702	17.10
600 SJ	0942	29.42	clear		6.72	1.064	-33	0.11	2.929	17.05
1200	0944	29.42	clear		6.74	1.061	-40	0.09	2.016	17.13
1800	0946	29.42	clear		6.75	1.063	-46	0.06	1.316	17.22
2400	0948	29.42	clear		6.76	1.063	-51	0.05	1.056	17.45
3000	0950	29.42	clear	none	6.78	1.064	-55	0.03	1.190	17.51

Susan Iganson 011116

Start Time: 0940 | Elapsed Time (min): 10 | Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 0950 | Average Purge Rate (mL/min): 300 | Date Calibrated: 1/11/16

SAMPLING DATA

Sample Date: 011116 | Sample Time: 1000 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 300 | QA/QCSamples: None

VOA Vials, No Headspace [X] Initials: SJ

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3000 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. KOCA / D. HAXEL

DATE: 8 JAN. 2016 WEATHER: Cloudy, windy 47°

MONITORING WELL ID: MW-6C SAMPLE ID: MW6C-ROX-010816

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 90.28 ft
Depth to Water (btoc): 29.31 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 84.95 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 60.97 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 87.45 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 23.9 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1153	29.31	CLEAR	NONE	6.96	1.024	-28	0.98	28.33	16.49
600	1155	"			6.88	1.039	-44	6.64	26.20	16.66
1200	1157	29.28			6.87	1.049	-56	0.45	26.59	16.73
1800	1159				6.88	1.053	-64	0.44	23.68	16.77
2400	1201				6.89	1.054	-71	0.32	19.65	16.87
3000	1203				6.91	1.056	-75	0.23	16.04	16.98
3600	1205				6.92	1.056	-78	0.17	14.46	17.04

8 JAN. 2016

Start Time: 1153 Elapsed Time (min): 12 Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 1205 Average Purge Rate (mL/min): 300 Date Calibrated: 8 JAN. 2016

SAMPLING DATA

Sample Date: 8 JAN. 2016 Sample Time: 1210 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: DA.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: D. Haxel B. Koca

DATE: 1-8-16 WEATHER: cloudy 45°

MONITORING WELL ID: MW-6D SAMPLE ID: MW6D-ROX-010816 / MW6D-ROX-010816-DUP

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 110.05 ft
Depth to Water (btoc): 29.16 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 104.72 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 80.89 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 107.22 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 103.2 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1054	29.16	clear	NONE	7.04	1.077	-18	1.56	59.62	16.61
600	1056	"			6.85	1.108	-31	0.72	102.5	16.68
1200	1058	29.18			6.83	1.116	-46	0.41	133.2	16.79
1800	1100	"			6.84	1.119	-59	0.26	108.5	16.91
2400	1102	29.18			6.88	1.121	-67	0.19	98.99	17.08
3000	1104	↓			6.90	1.121	-74	0.14	71.24	17.20
3600	1106				6.92	1.125	-81	0.11	51.32	17.24
4200	1108				6.94	1.129	-85	0.09	40.73	17.29
						8 JAN. 2016				

Start Time: 1054 Elapsed Time (min): 14 Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 1108 Average Purge Rate (mL/min): 300 Date Calibrated: 8 JAN. 2016

SAMPLING DATA

Sample Date: 8 JAN. 2016 Sample Time: 1115 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: Duplicate

VOA Vials, No Headspace ☒ Initials: D.H.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4200 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: CWilliams / E. Schumacher

DATE: 1-14-16 WEATHER: SUNNY 61°

MONITORING WELL ID: MW-7 SAMPLE ID: MW7-ROX-011416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 52.92 ft
Depth to Water (btoc): 41.02 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 42.92 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 11.90 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ~~N/A~~ 47.92 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ~~47.92~~ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.4 ppm
Wellbore PID/FID Reading: 4087 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1350	41.06	CLOUDY	STRONG	6.44	1.707	-61	0.40	72.60	18.27
800	1352	41.03	↓	↓	6.38	1.700	-62	0.21	81.17	18.42
1200	1353	41.05			6.37	1.690	-64	0.13	141.8	18.57
2000	1355	41.05			6.37	1.674	-65	0.12	92.36	18.71
2400	1356	↓			6.36	1.647	-65	0.09	61.51	18.80
3200	1358				6.37	1.625	-65	0.08	119.8	18.82
4000	1400				6.38	1.608	-66	0.07	59.13	18.84

E Schu
1-14-16

Start Time: 1350 Elapsed Time (min): 11 MINS Water Quality Meter ID & SN: TROLL 9500 -- RZ6431

Stop Time: 1401 Average Purge Rate (mL/min): 400 Date Calibrated: 1-14-16

SAMPLING DATA

Sample Date: 1-14-16 Sample Time: 1405 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: Dup

VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4000 mL

LOW FLOW GROUNDW. R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-14-16 WEATHER: Sunny 51°

MONITORING WELL ID: MW-8 SAMPLE ID: MW8 - ROX - 011416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 43.60 ft
Depth to Water (btoc): 31.79 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 33.60 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 11.81 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ~~N/A~~ 38.60 LR ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ~~38.60~~ LR ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.2 ppm
Wellbore PID/FID Reading: 383.6 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1119	31.82	CLEAR	SLIGHT	6.29	1.416	-57	0.64	19.91	17.48
400	1120	31.79			6.25	1.437	-58	0.34	18.36	17.90
1200	1122	31.79			6.23	1.451	-60	0.26	43.05	18.20
1600	1123	↓	↓	↓	6.22	1.460	-61	0.19	-13.72	18.46
2400	1125				6.21	1.464	-62	0.14	-12.26	18.59
2800	1126				6.21	1.469	-64	0.09	-13.72	18.71
3600	1128				6.21	1.472	-64	0.08	32.73	18.80

L. Schl 1-14-16

Start Time: 1119 Elapsed Time (min): 10 MINS Water Quality Meter ID & SN: TROLL 9500 -- R26431

Stop Time: 1129 Average Purge Rate (mL/min): 400 Date Calibrated: 1-14-16

SAMPLING DATA

Sample Date: 1-14-16 Sample Time: 1135 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: ES / CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDW[illegible]R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Voca / D. Haxel

DATE: 13 JAN. 2016 WEATHER: Sunny 28°

MONITORING WELL ID: MW-9 SAMPLE ID: MW9-ROX-011316 / MW9-ROX-011316-UN

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 56.78 ft
Depth to Water (btoc): 42.63 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 46.45 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 14.15 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 51.45 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ~~51.45~~ ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ~~51.45~~ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ~~51.45~~ ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ~~51.45~~ ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 3.5 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1003	42.63	CLEAR	NONE	6.86	1.662	2	1.20	13.63	14.05
600	1005	42.64			6.77	1.687	-5	0.70	17.13	14.85
1200	1007				6.74	1.694	-11	0.42	18.03	15.47
1800	1009				6.73	1.691	-15	0.28	14.94	15.79
2400	1011				6.72	1.682	-19	0.16	13.15	16.15
3000	1013				6.71	1.672	-23	0.11	12.97	16.46
3600	1015	42.61			6.73	1.677	-26	0.09	9.603	16.41
4200	1017	"			6.71	1.670	-28	0.07	8.761	16.60

13 JAN 2016

Start Time: ~~13 JAN~~ 1003 Elapsed Time (min): 14 Water Quality Meter ID & SN: TROLL 9500 - R25194

Stop Time: 1017 Average Purge Rate (mL/min): 300 Date Calibrated: 13 JAN. 2016

SAMPLING DATA

Sample Date: 13 JAN. 2016 Sample Time: 1020 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: Unpreserved VOAs

VOA Vials, No Headspace ☒ Initials: D.H.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4200 mL

LOW FLOW GROUNDW. R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: B. Koca / D. Haxhel

DATE: 13 Jan. 2016 | WEATHER: Sunny 35°

MONITORING WELL ID: MW-10 | SAMPLE ID: MW10-ROX-011316 / MW10-ROX-011316-MS / MW10-ROX-011316-MSD

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 54.76 ft
Depth to Water (btoc): 42.53 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 44.43 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 12.23 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 49.53 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ____ ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ____ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ____ ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ____ ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.3 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1423	42.53	clear	None	6.91	1.509	-57	0.79	21.19	15.75
600	1425	↓	↓	↓	6.90	1.514	-68	0.47	21.47	16.66
1200	1427	42.54			6.91	1.518	-76	0.21	21.17	17.08
1800	1429	↓			6.70	1.522	-81	0.15	18.73	17.28
2400	1431				6.93	1.524	-87	0.10	16.32	17.33
3000	1433				6.93	1.525	-91	0.07	15.14	17.32
3600	1435				6.96	1.527	-94	0.07	14.36	17.37
4200	1437				6.97	1.527	-97	0.05	13.37	17.41

13 Jan. 2016

Start Time: 1423
Stop Time: 1437

Elapsed Time (min): ~~1445~~ 14
Average Purge Rate (mL/min): 300

Water Quality Meter ID & SN: TROLL 9500 -- R25194
Date Calibrated: 13 Jan. 2016

SAMPLING DATA

Sample Date: 13 Jan. 2016
Sample Time: 1445
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 300
VOA Vials, No Headspace: ☒ Initials: D.H

Lab Analysis: VOC, SVOC
QA/QC Samples: MS / MSD

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4200 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Koca / D. Haxel

DATE: 12 Jan. 2016 WEATHER: Sunny, Windy 32°

MONITORING WELL ID: MW-11 SAMPLE ID: MW11-ROX-011216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 51.99 ft
Depth to Water (btoc): 40.33 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 41.66 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 11.66 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 46.66 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.1 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1359	40.33	clear	none	6.97	1.399	-11	2.00	19.81	12.74
600	1409	↓	↓	↓	6.71	1.422	-14	1.13	19.45	12.76
1200	1403				6.78	1.432	-19	0.86	16.64	12.45
1800	1405				6.77	1.455	-23	0.71	13.58	12.58
2400	1407				6.76	1.450	-28	0.31	11.38	13.81
3000	1409				6.75	1.432	-33	0.16	10.50	14.56
3600	1411				6.75	1.416	-37	0.11	8.997	14.86
4200	1413				6.76	1.406	-40	0.09	8.381	14.75
4800	1415				6.76	1.397	-43	0.13	7.594	14.63

12 Jan. 2016

Start Time: 1359 Elapsed Time (min): 16 Water Quality Meter ID & SN: TROLL 9500 - R25194

Stop Time: 1415 Average Purge Rate (mL/min): 300 Date Calibrated: 12 Jan. 2016

SAMPLING DATA

Sample Date: 12 Jan. 2016 Sample Time: 1420 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace ☑ Initials: D.H.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4800 mL

LOW FLOW GROUNDW. .R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: Jansen / Haxel

DATE: 1/11/16 WEATHER: 27° overcast

MONITORING WELL ID: MW-12 SAMPLE ID: MW12-ROX-D11116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 52.25 ft
Depth to Water (btoc): 40.52 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 41.92 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 11.73 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 46.92 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ____ ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = — ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1347	40.54	light brown	none	7.11	1.331	72	0.81	177.9	14.71
600	1349	40.54			7.00	1.333	73	0.48	175.9	15.57
1200	1351	40.53			6.95	1.330	73	0.34	168.7	16.33
1800	1353	40.53			6.93	1.328	73	0.30	152.1	16.67
2400	1355	40.53			6.91	1.330	71	0.26	133.3	16.81
3000	1357	40.53			6.90	1.331	74	0.23	116.2	17.00
3600	1359	40.53			6.89	1.334	74	0.22	94.87	17.10
4200	1401	40.53			6.88	1.334	75	0.21	98.38	17.24
4800	1403	40.53			6.88	1.334	75	0.21	86.62	17.28
5400	1405	40.53			6.88	1.335	75	0.20	72.51	17.37
6000	1407	40.53			6.87	1.334	76	0.20	65.34	17.40
6600	1409	40.53			6.83	1.332	81	0.20	61.38	17.29
7200	1411	40.53			6.86	1.337	80	0.21	52.97	17.31
7800	1413	40.53			6.87	1.335	79	0.21	50.83	17.41
8400	1415	40.53			6.87	1.335	79	0.21	47.05	17.51

Jessi Jansen 01-11-16

Start Time: 1347
Stop Time: 1415
Elapsed Time (min): 28
Average Purge Rate (mL/min): 300
Water Quality Meter ID & SN: TROLL 9500 -- R25194
Date Calibrated: 011116

SAMPLING DATA

Sample Date: 01-11-16
Sample Time: 1425
Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 300
QA/QCSamples: NONE
VOA Vials, No Headspace ☒ Initials: JJ

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 8400 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-7-16 WEATHER: Cloudy 50°

MONITORING WELL ID: MW-13 SAMPLE ID: MW13-Rox-010716

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 35.82 ft
Depth to Water (btoc): 27.16 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 25.57 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 8.66 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ~~32.16~~ ft btoc 31.49

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 1.1 ppm
Wellbore PID/FID Reading: 165.8 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	ES ~~1415~~ 1515	27.17	CLEAR	SLIGHT	6.79	1.383	-93	0.57	-13.71	17.50
800	ES ~~1417~~ 1517	27.17			6.77	1.387	-95	0.38	1.937	17.78
1600	ES ~~1419~~ 1519				6.76	1.388	-98	0.36	63.60	18.12
2000	ES ~~1420~~ 1520				6.75	1.388	-100	0.32	-13.71	18.35
2800	ES ~~1422~~ 1522				6.75	1.389	-102	0.23	56.31	18.48
3200	ES ~~1423~~ 1523				6.74	1.389	-103	0.21	-13.71	18.55

1-7-16

Start Time: ES ~~1415~~ 1515 Elapsed Time (min): 9 MINS Water Quality Meter ID & SN: TROLL 9500 -- R26431

Stop Time: ES ~~1424~~ 1524 Average Purge Rate (mL/min): 400 Date Calibrated: 1-7-16

SAMPLING DATA

Sample Date: 1-7-16 Sample Time: ES ~~1530~~ 1530 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: CW/ES

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-8-16 | WEATHER: Cloudy 49°

MONITORING WELL ID: MW-14 | SAMPLE ID: MW14-ROX-010816

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 44.00 ft
Depth to Water (btoc): 31.64 ft
Depth to LNAPL/DNAPL (btoc): N/A ft
Depth to Top of Screen (btoc): 33.42 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 12.36 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ~~38.42~~ 38.42 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 38.42 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ____ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 48.1 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	ES ~~0924~~ 1024	31.67	CLEAR	NONE	6.83	0.8843	-78	-0.11	215.0	17.86
800	ES ~~0926~~ 1026	31.67	↓	↓	6.84	0.8770	-85	-0.06	25.47	17.84
1200	ES ~~0927~~ 1027	31.67	↓	↓	6.84	0.8770	-89	-0.04	86.09	17.72
2000	ES ~~0929~~ 1029	↓	↓	↓	6.84	0.8792	-92	-0.02	226.4	17.68
2400	ES ~~0930~~ 1030	↓	↓	↓	6.84	0.8841	-94	-0.01	196.3	18.03
3200	1032	↓	↓	↓	6.84	0.8877	-97	-0.03	248.4	18.40

E. Schumacher 1-8-16

Start Time: ES ~~0924~~ 1024 | Elapsed Time (min): 9 MINS | Water Quality Meter ID & SN: TROLL 9500 -- R26431

Stop Time: 1033 | Average Purge Rate (mL/min): 400 | Date Calibrated: 1-8-16

SAMPLING DATA

Sample Date: 1-8-16 | Sample Time: 1040 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: MS/MSD

VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3200 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Koca / D Haxel

DATE: 12 JAN. 2016 WEATHER: Sunny, Windy 20°

MONITORING WELL ID: MW-16 SAMPLE ID: MW16-ROX-011216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 47.31 ft
Depth to Water (btoc): 41.99 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 37.06 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 5.32 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 44.65 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.1 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	0932	42.03	Murky	VINE	6.28	2.024	31	0.61	478.4	17.22
600	0934				6.43	2.023	-0	0.14	420.7	16.85
1200	0936				6.51	2.037	-20	0.03	467.7	16.59
1800	0938				6.56	2.037	-34	-0.02	424.2	16.72
2400	0940				6.60	2.033	-44	-0.04	371.2	16.81
3000	0942				6.63	2.031	-52	-0.05	333.6	16.70
3600	0944				6.66	2.023	-58	-0.05	332.3	16.60
4200	0946	42.02			6.67	2.010	-63	-0.06	301.3	16.75
4800	0948				6.69	2.000	-65	-0.06	284.3	16.87
5400	0950				6.70	2.006	-67	-0.06	293.3	16.82
6000	0952				6.71	2.001	-70	-0.05	342.4	16.81
6600	0954				6.72	2.003	-73	-0.07	399.1	16.58
7200	1004	42.03	cleaner		6.76	2.002	-59	0.23	153.5	16.59
7800	1006				6.75	2.006	-64	0.05	185.7	16.86
8400	1008				6.75	2.009	-68	-0.00	183.8	17.30
9000	1010				6.75	1.996	-71	-0.03	181.3	17.45

Start Time: 0932 Elapsed Time (min): 56 Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 1028 Average Purge Rate (mL/min): 300 Date Calibrated: 12 JAN. 2016

SAMPLING DATA

Sample Date: 12 JAN. 2016 Sample Time: 1035 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ~~X~~ Initials: DH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Purged well prior to connection to troll due to dark color of water. Ran water through troll for approx 20 minutes before cleaning out flow cell with DI water. Resumed purged reader and purged for another 20 minutes. Turbity still high although other parameters are stable.

Total Purge Volume: 15400 mL

LOW FLOW GROUNDV I SAMPLING DATA SHEET

PROJECT NAME: 1st Qtr. G.W. Sampling PROJECT NUMBER: 60477387-1.03.001 FIELD PERSONNEL: B. Koca / D. Hassell

DATE: 12 Jan. 2016 MONITORING WELL ID: MW-16

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp. (°C)
9600	1012	42.03	Cloudy	NONE	6.75	1.992	-72	0.01	123.8	17.25
11200	1014	↓	↓	↓	6.75	1.996	-73	-0.02	133.2	17.42
11800	1016				6.76	1.988	-74	0.01	108.6	17.43
12400	1018				6.76	1.991	-74	0.01	89.46	17.29
13000	1020				6.76	1.985	-74	0.01	73.05	17.25
13600	1022				6.76	1.984	-74	0.01	85.63	17.19
14200	1024				6.76	1.987	-75	0.04	97.26	17.05
14800	1026				6.76	1.983	-75	0.00	87.94	17.28
15400	1028				6.76	1.980	-75	0.01	86.87	17.39

12 JAN. 2016

LOW FLOW GROUNDW. .R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Koca / D. Haxel

DATE: 15 JAN. 2016 WEATHER: RAIN 46°

MONITORING WELL ID: MW-22 SAMPLE ID: MW22-ROX-011516 / MW22-ROX-011516-DUP

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 48.13 ft
Depth to Water (btoc): 40.42 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 37.88 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 7.71 (3.85) ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Top of Screen + 0.5*(Screen Length) =	ft btoc
If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Water + 0.5*(Water Column Height) = 44.27	ft btoc
If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper =	ft btoc
If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) =	ft btoc
If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft =	ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.5 ppm
Wellbore PID/FID Reading: 0.3 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	0922	40.42	clean	NONE	6.47	1.186	-53	0.76	19.66	16.13
600	0924	40.45		slight	6.50	1.215	-61	0.31	17.98	17.53
1200	0926	↓	↓	↓	6.52	1.254	-66	0.14	21.46	18.44
1800	0928				6.54	1.299	-71	0.06	22.81	19.06
2400	0930				6.55	1.327	-74	0.03	15.32	19.30
3000	0932				6.56	1.351	-77	0.01	15.25	19.38
3600	0934				6.57	1.367	-80	0.00	13.74	19.23
4200	0936				6.58	1.378	-82	-0.01	14.96	19.24

15 JAN. 2016

Start Time: 0922 Elapsed Time (min): 14 Water Quality Meter ID & SN: TROLL 9500 -- R25194
Stop Time: 0936 Average Purge Rate (mL/min): 300 Date Calibrated: 15 JAN. 2016

SAMPLING DATA

Sample Date: 15 JAN. 2016 Sample Time: 0940 Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: Duplicate
VOA Vials, No Headspace [X] Initials: D.H.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: SMF, BK

DATE: 1-7-16 WEATHER: 50° Overcast

MONITORING WELL ID: MW-23 SAMPLE ID: MW23-ROX-010716, MW23-ROX-010716-MS MW23-ROX-010716-MSD

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 39.27 ft
Depth to Water (btoc): 28.78 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 29.02 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 10.49 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 34.02 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = NA ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 9.3 ppm

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = NA ft btoc
If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = NA ft btoc
If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = NA ft btoc

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1005	28.78	Slightly foggy	Slight	6.84	1.533	-132	0.03	78.58	15.76
600	1008	28.78			6.76	1.357	-122	0.04	84.54	16.15
1200	1010	28.78			6.78	1.267	-112	0.05	84.49	16.50
1800	1012	↓			6.67	1.239	-105	0.05	69.06	16.83
2400	1014		Clear		6.67	1.221	-100	0.05	47.95	16.88
3000	1016				6.66	1.215	-96	0.05	32.15	16.81
3600	1018	28.78			6.66	1.212	-94	0.05	25.58	16.86

Samuel Fisher

Start Time: 1005 Elapsed Time (min): 13 Water Quality Meter ID & SN: TROLL 9500 - R25194

Stop Time: 1018 Average Purge Rate (mL/min): 300 Date Calibrated: 1-7-16

SAMPLING DATA

Sample Date: 1-7-16 Sample Time: 1025 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: MS/MSD

VOA Vials, No Headspace [X] Initials: SMF

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: B. KOCA / D. HAXEL

DATE: 13 JAN. 2016 | WEATHER: P. Cloudy 25°

MONITORING WELL ID: MW-24 | SAMPLE ID: MW24-ROX-011316 / MW24-ROX-011316-LIN

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 49.14 ft
Depth to Water (btoc): 41.44 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 38.89 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 7.70 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ~~41.44~~ ft btoc 45.29

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 4.2 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	0904	41.44	CLEAR	NONE	6.60	1.609	184	1.16	36.28	13.71
1200	0906	41.45			6.68	1.589	179	0.98	32.56	14.69
1800	0908	↓			6.71	1.581	176	0.63	23.72	15.31
2400	0910	41.46			6.73	1.570	174	0.59	17.80	15.71
3000	0912				6.75	1.563	173	0.66	16.42	15.89
3600	0914				6.83	1.554	123	0.72	11.61	16.15
4200	0916				6.78	1.547	118	0.73	8.250	16.31
4800	0918				6.78	1.542	113	0.79	6.933	16.47
	0920				6.78	1.538	109	0.82	5.064	16.61

13 JAN. 2016

Start Time: 0904 | Elapsed Time (min): 16 | Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 0920 | Average Purge Rate (mL/min): 300 | Date Calibrated: 13 JAN. 2016

SAMPLING DATA

Sample Date: 13 JAN. 2016 | Sample Time: 0925 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 300 | QA/QCSamples: Unpreserved VOAs

VOA Vials, No Headspace: ☒ | Initials: D.H.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4800 mL

LOW FLOW GROUNDW ER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-14-16 WEATHER: Sunny 50°

MONITORING WELL ID: MW-25 SAMPLE ID: MW25-ROX-011416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.84 ft
Depth to Water (btoc): 36.12 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 35.59 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 9.72 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ~~N/A~~ 40.98 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ~~41.12~~ UR ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 5.1 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
				STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1024	36.14	CLEAR	SLIGHT	6.13	1.056	-64	0.63	10.21	17.73
400	1025	36.13	↓	↓	6.23	1.068	-73	0.28	23.91	18.23
800	1026	36.13	↓	↓	6.28	1.079	-79	0.17	15.50	18.60
1600	1028	↓	↓	↓	6.31	1.085	-83	0.09	6.474	18.76
2000	1029	↓	↓	↓	6.33	1.090	-85	0.06	-4.273	18.84
2800	1031	↓	↓	↓	6.35	1.093	-87	0.04	42.59	18.88
3600	1033	↓	↓	↓	6.37	1.100	-89	0.02	36.53	19.02

E. Schumacher
1-14-16

Start Time: 1024
Stop Time: 1033
Elapsed Time (min): 9 MINS
Average Purge Rate (mL/min): 400
Water Quality Meter ID & SN: TROLL 9500 -- R26431
Date Calibrated: 1-14-16

SAMPLING DATA

Sample Date: 1-14-16
Sample Time: 1040
Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 400
QA/QCSamples: NONE
VOA Vials, No Headspace ☒ Initials: CW/ES

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDW. R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: B. KOCA / D. HAXEL

DATE: 7 JAN. 2016 | WEATHER: Cloudy 43°

MONITORING WELL ID: MW-26 | SAMPLE ID: MW26-ROX-010716

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 48.40 ft
Depth to Water (btoc): 39.30 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 38.15 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 9.10 (4.55) ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 43.85 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 18.3 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1430	39.30	clean	slight	6.94	1.336	65	0.74	64.56	16.82
600	1432	"			6.87	1.334	67	0.43	52.63	17.10
1200	1434	39.28			6.84	1.327	67	0.36	44.53	17.34
1800	1436	"			6.83	1.319	65	0.33	37.15	17.57
2400	1438	39.29			6.83	1.314	65	0.32	37.49	17.68
3000	1440				6.82	1.307	63	0.30	28.32	17.85
3600	1442				6.82	1.305	63	0.29	25.15	17.87

D. Haxel 7 Jan. 2016

Start Time: 1430 | Elapsed Time (min): ~~1450~~ DA 12 | Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 1442 | Average Purge Rate (mL/min): 300 | Date Calibrated: 7 JAN. 2016

SAMPLING DATA

Sample Date: 7 JAN. 2016 | Sample Time: 1450 | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 300 | QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: DH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW **PROJECT NUMBER:** 60477387 - 1.03.001 **FIELD PERSONNEL:** B. Koca / D. Haxel

DATE: 13 Jan. 2016 **WEATHER:** Sunny 32°

MONITORING WELL ID: MW-27 **SAMPLE ID:** MW27-ROX-011316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 50.04 ft
Depth to Water (btoc): 40.68 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 39.79 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 9.36 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ___ ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ~~45.63~~ ft btoc 45.36

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ___ ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ___ ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ___ ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.3 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

STABLE: (over 3 readings) +/- 0.2 +/-5% +/-20 mV +/-0.2 mg/L or +/-10% Monitor Turb Readings (<50) Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1120	40.76	Rust	None	6.97	1.071	33	1.09	208.8	16.13
600	1124	40.72			6.93	1.106	25	0.98	224.3	15.12
1200	1128	40.71			6.91	1.095	25	0.95	334.7	15.05
2550	1137	40.72			6.88	1.099	24	1.25	214.2	15.41
3150	1141				6.87	1.102	20	0.99	188.8	15.52
3750	1145				6.86	1.104	17	0.91	122.3	16.16
4350	1149	40.72			6.86	1.105	13	0.79	110.8	16.51
4950	1153				6.85	1.107	13	0.79	169.7	16.85
5550	1157				6.85	1.104	11	0.70	104.9	16.69
6150	1201				6.84	1.108	7	0.72	62.80	16.55
6750	1205				6.84	1.114	4	0.75	47.70	17.22
7350	1209				6.84	1.113	1	0.71	26.17	17.46
7950	1213				6.84	1.114	-2	0.66	17.10	17.67
8550	1217				6.84	1.105	-4	0.66	11.90	17.44

[signature] 13 Jan 2016

Start Time: 1120 Elapsed Time (min): 57 Water Quality Meter ID & SN: TROLL 9500 -- RZ5194

Stop Time: 1217 Average Purge Rate (mL/min): 150 Date Calibrated: 13 Jan. 2016

SAMPLING DATA

Sample Date: 13 Jan. 2016 Sample Time: 1220 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 150 QA/QCSamples: None

VOA Vials, No Headspace ☒ Initials: DH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL) Rusty water color; begin purging without the troll. Pause rugged reader @ 11:30 to clean out flow cell. Resume rugged reader @ 11:35

Total Purge Volume: 8550 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Koca / D. Haxel

DATE: 14 Jan. 2016 WEATHER: Sunny 58°

MONITORING WELL ID: MW-28 SAMPLE ID: MW28-ROX-011416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 43.86 ft
Depth to Water (btoc): 39.98 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 33.61 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 3.88 1.94 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 41.92 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 4.2 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
					STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1403	39.98	slightly cloudy	NONE	6.82	2.587	27	0.79	132.2	17.56
600	1403	40.04			6.76	2.588	21	0.32	85.86	17.90
1200	1407				6.73	2.585	16	0.18	54.67	18.12
1800	1409				6.73	2.587	11	0.13	37.31	18.26
2400	1411				6.72	2.588	8	0.09	25.95	18.41
3000	1413				6.72	2.590	5	0.07	15.35	18.52
3600	1415				6.71	2.593	2	0.05	12.37	18.59
4200	1417				6.71	2.592	0	0.03	8.975	18.64

D.H. 14 Jan. 2016

Start Time: 1403 Elapsed Time (min): 14 Water Quality Meter ID & SN: TROLL 9500 - R25194

Stop Time: 1417 Average Purge Rate (mL/min): 300 Date Calibrated: 14 Jan. 2016

SAMPLING DATA

Sample Date: 14 Jan. 2016 Sample Time: 1420 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: None

VOA Vials, No Headspace ☑ Initials: D.H.

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4200 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. Rock / D. Haxel

DATE: 12 JAN. 2016 WEATHER: Sunny, Windy 27°

MONITORING WELL ID: P-54 SAMPLE ID: P54-ROX-011216 / P54-ROX-011216-EB

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 63.00 ft
Depth to Water (btoc): 40.22 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 38.00 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 22.78 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 45.22 ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
		STABLE: (over 3 readings)			+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1252	40.22	CLEAN	NONE	7.08	1.289	77	6.18	17.41	12.80
600	1254	"			7.12	1.281	73	5.96	16.81	12.82
1200	1256	40.22			7.07	1.282	72	5.84	14.14	12.74
1800	1258				7.04	1.283	72	5.73	13.25	12.70
2400	1300				7.01	1.276	73	5.56	11.53	13.19
3000	1302				6.99	1.269	73	5.45	10.37	13.18
3600	1304				6.97	1.268	74	5.26	9.587	13.33
4200	1306				6.95	1.261	74	5.03	9.196	13.92
4800	1308				6.94	1.259	75	4.90	8.192	14.22
5400	1310				6.93	1.254	76	4.83	7.942	14.29
6000	1312				6.92	1.250	77	4.72	7.208	14.29

12 JAN. 2016

Start Time: 1252 Elapsed Time (min): 20 Water Quality Meter ID & SN: TROLL 9500 - R25194

Stop Time: 1312 Average Purge Rate (mL/min): 300 Date Calibrated: 12 JAN. 2016

SAMPLING DATA

Sample Date: 12 JAN. 2016 Sample Time: 1315 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: Equipment Blank

VOA Vials, No Headspace ☒ Initials: D.H

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 6000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-11-16 WEATHER: Sunny 29°

MONITORING WELL ID: P-55R SAMPLE ID:

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 50.68 ft
Depth to Water (btoc): 41.70 ft
Depth to LNAPL/DNAPL (btoc): 41.75 ft
Depth to Top of Screen (btoc): 40.43 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 8.90 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 138.2 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)

1-11-16

Start Time: Elapsed Time (min): Water Quality Meter ID & SN: TROLL 9500 --

Stop Time: Average Purge Rate (mL/min): Date Calibrated:

SAMPLING DATA

Sample Date: Sample Time: Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): QA/QCSamples: NONE

VOA Vials, No Headspace ☐ Initials:

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

LNAPL DETECTED AT 41.75. No sample collected

Total Purge Volume: mL

LOW FLOW GROUND' ER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-11-16 WEATHER: Sunny 28°

MONITORING WELL ID: P-56 SAMPLE ID: P56-BOX-011116

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 65.82 ft
Depth to Water (btoc): 44.78 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 40.82 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 21.04 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = 49.78 ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 17.8 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1328	44.77	Cloudy	None	6.78	1.623	-92	0.34	50.72	18.81
800	1330	44.77			6.79	1.591	-97	0.19	54.51	18.05
1200	1331				6.79	1.583	-101	0.10	72.72	17.78
2000	1333				6.80	1.576	-105	0.05	61.86	17.51
2800	1335				6.81	1.593	-110	0.01	67.82	17.71
3200	1336				6.81	1.622	-114	-0.02	62.29	18.33
3600	1337				6.81	1.633	-119	-0.04	62.44	18.68
4400	1339				6.81	1.634	-123	-0.05	64.42	18.63
4800	1340				6.81	1.641	-127	-0.07	38.50	18.90

1-11-16

Start Time: 1328 Elapsed Time (min): 13 mins Water Quality Meter ID & SN: TROLL 9500 -- R26431

Stop Time: 1341 Average Purge Rate (mL/min): 400 Date Calibrated: 1-11-16

SAMPLING DATA

Sample Date: 1-11-16 Sample Time: 1345 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: None

VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-12-16 | WEATHER: SUNNY 27°

MONITORING WELL ID: P-57 | SAMPLE ID: P57-ROX-011216

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 54.19 ft
Depth to Water (btoc): 45.61 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 44.19 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 8.58 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 50.61 ft btoc 49.90

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = N/A ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
	STABLE: (over 3 readings)				+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1346	46.00	CLEAR	STRONG	6.55	1.352	-100	0.92	30.00	18.21
800	1348	46.17			6.49	1.389	-101	0.38	9.858	19.33
1200	1349	46.23			6.47	1.406	-102	0.22	9.570	19.96
2000	1351	46.30			6.47	1.417	-104	0.12	28.72	20.31
2400	1352	46.32			6.46	1.420	-104	0.08	-13.72	20.38
3200	1354	46.32			6.45	1.421	-105	0.06	46.13	20.44
3600	1355	46.32			6.47	1.422	-106	0.05	-13.72	20.45

1-12-16

Start Time: 1346
Stop Time: 1356
Elapsed Time (min): 10 MINS
Average Purge Rate (mL/min): 400
Water Quality Meter ID & SN: TROLL 9500 -- R26431
Date Calibrated: 1-12-16

SAMPLING DATA

Sample Date: 1-12-16
Sample Time: 1400
Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 400
QA/QCSamples: NONE
VOA Vials, No Headspace ☒ Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUND' ER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-13-16 WEATHER: SUNNY 27°

MONITORING WELL ID: P-58 SAMPLE ID: P58-ROX-011316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 65.21 ft
Depth to Water (btoc): 43.18 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 40.21 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 22.03 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 48.18 ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	0947	43.31	CLEAR	NONE	6.46	1.287	-93	0.06	5.312	18.20
800	0949	43.31			6.42	1.268	-93	0.07	-13.71	17.94
1200	0950	43.31			6.41	1.264	-93	0.08	-7.869	18.08
2000	0952				6.40	1.263	-92	0.07	17.86	18.31
2400	0953				6.39	1.268	-91	0.06	-3.000	18.54
3200	0955				6.46	1.273	-91	0.05	-13.71	18.84
3600	0956				6.38	1.281	-91	0.03	-13.71	19.13

E. Schumacher 1-13-16

Start Time: 0947 Elapsed Time (min): 10 MINS Water Quality Meter ID & SN: TROLL 9500 -- RZ6431

Stop Time: 0957 Average Purge Rate (mL/min): 400 Date Calibrated: 1-13-16

SAMPLING DATA

Sample Date: 1-13-16 Sample Time: 1000 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NONE

VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-12-16 WEATHER: SUNNY 22°

MONITORING WELL ID: P-59 SAMPLE ID: P-59-ROX-011216 / P59-ROX-011216-EB

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 72.91 ft
Depth to Water (btoc): 46.10 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 47.91 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 26.81 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 52.91 ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.2 ppm
Wellbore PID/FID Reading: 192.2 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1123	46.09	CLEAR	STRONG	6.35	1.290	-75	1.05	3.757	20.04
400	1124	46.10	↓	↓	6.57	1.302	-93	0.56	16.19	20.53
1200	1126	46.10			6.58	1.318	-97	0.37	25.92	20.96
1600	1127	↓			6.54	1.342	-98	0.23	5.774	21.64
2400	1129				6.52	1.345	-99	0.13	23.12	21.82
2800	1130				6.50	1.350	-100	0.06	-13.71	21.82

E. Schumacher 1-12-16

Start Time: 1123 Elapsed Time (min): 8 MINS Water Quality Meter ID & SN: TROLL 9500 -- A26431

Stop Time: 1131 Average Purge Rate (mL/min): 400 Date Calibrated: 1-12-16

SAMPLING DATA

Sample Date: 1-12-16 Sample Time: 1140 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QC Samples: EB

VOA Vials, No Headspace ☒ Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 2800 mL

LOW FLOW GROUND' ER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-11-16 WEATHER: Sunny 29°

MONITORING WELL ID: P-60-12S (PERCHED) SAMPLE ID: —

INITIAL DATA

Well Diameter): 0.75 in
Total Well Depth (btoc): 23.84 ft
Depth to Water (btoc): N/E ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 13.84 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 0.00 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = — ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 0.4 ppm

PURGE DATA

Pump Type: —

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)

1-11-16

Start Time: — Elapsed Time (min): — Water Quality Meter ID & SN: TROLL 9500 --

Stop Time: — Average Purge Rate (mL/min): — Date Calibrated: —

SAMPLING DATA

Sample Date: — Sample Time: — Lab Analysis: VOC, SVOC

Sample Method: — Sample Flow Rate (mL/min): — QA/QCSamples: NONE

VOA Vials, No Headspace ☐ Initials: —

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

NO WATER ENCOUNTERED No Sample Collected due to lack of water
DTB - 21.72

Total Purge Volume: — mL

LOW FLOW GROUNDW_R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: G. Williams / E. Schumacher

DATE: 1-11-16 WEATHER: Sunny 29°

MONITORING WELL ID: P-60-13S (PERCHED) SAMPLE ID: —

INITIAL DATA

Well Diameter): 0.75 in
Total Well Depth (btoc): 20.00 ft
Depth to Water (btoc): 16.90 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 10.00 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 3.10 ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 0.0 ppm

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = — ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = — ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = — ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

PURGE DATA

Pump Type: —

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)

1-11-16

Start Time: —
Stop Time: —

Elapsed Time (min): —
Average Purge Rate (mL/min): —

Water Quality Meter ID & SN: TROLL 9500 -- —
Date Calibrated: —

SAMPLING DATA

Sample Date: —
Sample Method: —
VOA Vials, No Headspace ☐ Initials: —

Sample Time: —
Sample Flow Rate (mL/min): —

Lab Analysis: VOC, SVOC
QA/QC Samples: —

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

~~DUP~~ NOT ENOUGH WATER FOR SAMPLE 3.10 ft × 0.041 gal/ft = 0.13 gal H_2O

Total Purge Volume: — mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-8-16 WEATHER: Cloudy 53°

MONITORING WELL ID: P-66 SAMPLE ID: P66-ROX-010816

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 59.72 ft
Depth to Water (btoc): 34.64 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 34.72 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 25.08 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 39.72 ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 0.5 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1150	34.65	CLEAR	STRONG	6.46	1.036	-65	0.45	51.26	17.66
400	1151	34.65			6.48	1.034	-70	0.20	-13.71	18.23
1200	1153	34.66			6.46	1.035	-73	0.09	-13.71	18.62
1600	1154				6.46	1.034	-75	0.05	80.16	18.81
2400	1156				6.46	1.036	-77	0.01	-13.71	18.89
3200	1158				6.45	1.039	-78	-0.01	-6.741	18.96
3600	1159				6.45	1.035	-78	-0.02	182.8	18.92

1-8-16

Start Time: 1150 Elapsed Time (min): 10 MINS Water Quality Meter ID & SN: TROLL 9500 -- R26431

Stop Time: 1200 Average Purge Rate (mL/min): 400 Date Calibrated: 1-8-16

SAMPLING DATA

Sample Date: 1-8-16 Sample Time: 1205 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QC Samples: UNPRESERVED

VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-11-16 | WEATHER: Sunny 29°

MONITORING WELL ID: P-68 | SAMPLE ID: —

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 70.26 ft
Depth to Water (btoc): 43.82 ft
Depth to LNAPL/DNAPL (btoc): 43.79 ft
Depth to Top of Screen (btoc): 45.26 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 26.44 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = — ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = — ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = — ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = — ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.2 ppm
Wellbore PID/FID Reading: 180.6 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
—										

1-11-16

Start Time: — | Elapsed Time (min): — | Water Quality Meter ID & SN: TROLL 9500 -- —

Stop Time: — | Average Purge Rate (mL/min): — | Date Calibrated: —

SAMPLING DATA

Sample Date: — | Sample Time: — | Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): — | QA/QC Samples: —

VOA Vials, No Headspace ☐ ~~Initials:~~ —

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

LNAPL DETECTED AT 43.79 No Sample Collected

Total Purge Volume: — mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Settemachter

DATE: 1-11-16 WEATHER: Sunny 30°

MONITORING WELL ID: P-74 SAMPLE ID: P74-ROX-011116 / P74-ROX-011116-EB

INITIAL DATA

Well Diameter: 4 in
Total Well Depth (btoc): 69.43 ft
Depth to Water (btoc): 40.67 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 44.43 ft
Screen Length: 25 ft

Water Column Height (do not include LNAPL or DNAPL): 28.76 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = 49.43 ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 0.3 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	1504	40.88	CLOUDY	NONE	8.21	0.9104	15	12.26	12.82	8.66
400	1505				8.10	0.9035	22	12.13	53.14	8.64
1200	1507				8.02	0.8998	27	12.06	39.73	8.61
1600	1508				7.96	0.9015	30	12.02	22.22	8.69
2400	1510				7.91	0.8984	33	11.97	41.15	8.65
2900	1511				7.86	0.8998	36	11.97	146.9	8.64
3600	1513				7.82	0.8975	38	11.96	5.014	8.66

1-11-16

Start Time: 1504 Elapsed Time (min): 10 mins Water Quality Meter ID & SN: TROLL 9500 -- RZ6431

Stop Time: 1514 Average Purge Rate (mL/min): 400 Date Calibrated: 1-11-16

SAMPLING DATA

Sample Date: 1-11-16 Sample Time: 1520 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: EB (1415)

VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-12-16 | WEATHER: SUNNY 33°

MONITORING WELL ID: P-93A | SAMPLE ID: P93A-ROX-011216 / P93A-ROX-011216-DUP

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 53.07 ft
Depth to Water (btoc): 43.73 ft
Depth to LNAPL/DNAPL (btoc): N/G ft
Depth to Top of Screen (btoc): 43.07 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 9.34 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 48.40 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = N/A ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 0.2 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
					STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1439	43.97	CLEAR	SLIGHT	6.56	1.417	-2	1.24	2,699	15.18
800	1441	43.97			6.48	1.446	-6	0.80	7.280	16.04
1200	1442	43.97			6.46	1.470	-10	0.54	25.68	16.63
2000	1444	↓			6.46	1.480	-15	0.40	7.409	16.97
2400	1445				6.45	1.486	-18	0.26	7.548	17.21
3200	1447				6.45	1.489	-21	0.22	-4.707	17.36

1-12-16

Start Time: 1439 | Elapsed Time (min): 9 MINS | Water Quality Meter ID & SN: TROLL 9500 -- R26431
Stop Time: 1448 | Average Purge Rate (mL/min): 400 | Date Calibrated: 1-12-16

SAMPLING DATA

Sample Date: 1-12-16 | Sample Time: 1500 | Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QC Samples: DUP
VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-13-16 | WEATHER: Sunny 38°

MONITORING WELL ID: P-93B | SAMPLE ID: P93B-ROX-011316

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 76.60 ft
Depth to Water (btoc): 44.96 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 74.60 ft
Screen Length: 2 ft

Water Column Height (do not include LNAPL or DNAPL): 31.64 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = N/A ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ~~N/A~~ OK ft btoc 74.60

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 63.6 ppm

PURGE DATA

Pump Type: Dedicated Well Wizard

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1332	44.96	CLEAR	STRONG	6.89	1.208	-104	1.56	-13.72	16.89
400	1333				6.85	1.249	-106	0.93	-13.72	17.10
1200	1335				6.85	1.259	-107	0.46	30.22	17.12
1600	1336				6.83	1.265	-108	0.33	23.32	17.12
2400	1338				6.82	1.265	-109	0.21	-13.72	17.12
2800	1339				6.83	1.269	-110	0.11	6.736	17.13
3600	1341				6.82	1.268	-110	0.07	-13.72	17.15

E. Schumacher 1-13-16

Start Time: 1332 | Elapsed Time (min): 9 MINS | Water Quality Meter ID & SN: TROLL 9500 -- R26431
Stop Time: 1341 | Average Purge Rate (mL/min): 400 | Date Calibrated: 1-13-16

SAMPLING DATA

Sample Date: 1-13-16 | Sample Time: 1350 | Lab Analysis: VOC, SVOC
Sample Method: Bladder Pump / Low Flow | Sample Flow Rate (mL/min): 400 | QA/QCSamples: ~~DUP~~ ES NONE
VOA Vials, No Headspace [X] Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-8-16 | WEATHER: Cloudy 52°

MONITORING WELL ID: P-93C | SAMPLE ID: P93C-Rox-010816

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 97.47 ft
Depth to Water (btoc): 44.68 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 92.47 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 52.79 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 94.97 ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = N/A ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 1.6 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1444	44.71	CLEAR	SLIGHT	7.22	1.153	-102	2.10	-2,268	16.89
800	1446	44.71			6.99	1,176	-91	1.29	95.81	17.24
1200	1447	44.71			6.92	1,188	-89	1.03	83.22	17.46
2000	1445				6.89	1,190	-89	0.87	-10,97	17.63
2400	1450				6.89	1,191	-89	0.80	-6,269	17.71
3200	1452				6.88	1,192	-90	1.08	98.50	17.73
4000	1454				6.88	1,193	-90	2.11	58.34	17.75
4400	1455				6.87	1,193	-91	1.99	4.011	17.82
4800	1456				6.87	1,193	-92	1.81	53.71	17.87
5200	1458				6.87	1,193	-93	1.95	72.30	17.91

1-8-16

Start Time: 1444
Stop Time: 1459
Elapsed Time (min): 14 MINS
Average Purge Rate (mL/min): 400
Water Quality Meter ID & SN: TROLL 9500 -- R26431
Date Calibrated: 1-8-16

SAMPLING DATA

Sample Date: 1-8-16
Sample Time: 1505
Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 400
QA/QC Samples: NONE
VOA Vials, No Headspace ☒ Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 5200 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-13-16 WEATHER: SUNNY 31°

MONITORING WELL ID: P-93D SAMPLE ID: P93D-BOX-011316

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 128.00 ft
Depth to Water (btoc): 45.10 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 125.75 ft
Screen Length: 2 ft

Water Column Height (do not include LNAPL or DNAPL): 82.90 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = N/A ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ~~[illegible]~~ ft btoc ~~130~~ 126.00

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.1 ppm

PURGE DATA

Pump Type: Dedicated Well Wizard

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
			STABLE: (over 3 readings)		+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1056	—	CLEAR	NONE	6.87	1.352	-75	2.57	-13.71	16.44
400	1057	—			6.87	1.371	-83	1.71	-0.6349	16.50
1200	1059	—			6.86	1.380	-86	1.14	-13.71	16.48
1600	1100	—			6.86	1.392	-90	0.85	-13.71	16.47
2400	1102	—			6.86	1.395	-92	0.66	7.505	16.43
2800	1103	—			6.86	1.398	-93	0.51	-3.200	16.43
3600	1105	—			6.86	1.401	-95	0.40	-13.71	16.44
4000	1106	—			6.86	1.400	-96	0.31	56.54	16.43
4800	1108	—			6.87	1.401	-97	0.26	-13.71	16.43
5600	1109	—			6.87	1.403	-97	0.21	53.02	16.44
6400	1111	—			6.87	1.403	-98	0.18	4.580	16.45

E. Schumacher 1-13-16

Start Time: 1056
Stop Time: 1112
Elapsed Time (min): 16 MINS
Average Purge Rate (mL/min): 400
Water Quality Meter ID & SN: TROLL 9500 -- R26431
Date Calibrated: 1-13-16

SAMPLING DATA

Sample Date: 1-13-16
Sample Time: 1120
Lab Analysis: VOC, SVOC
Sample Method: Bladder Pump / Low Flow
Sample Flow Rate (mL/min): 400
QA/QCSamples: NONE
VOA Vials, No Headspace ☒ Initials: ES/CW

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 6400 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: E. Schumacher / C. Williams

DATE: 1-7-16 WEATHER: Cloudy 49°

MONITORING WELL ID: P-114R SAMPLE ID: P114R-ROX-010716

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 33.31 ft
Depth to Water (btoc): 25.62 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 23.01 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 7.69 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = ~~29.68~~ ft btoc 29.47

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.2 ppm
Wellbore PID/FID Reading: 48.1 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
	STABLE: (over 3 readings)				+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1153	25.73	Cloudy	SLIGHT	6.87	0.8448	-126	0.06	146.2	19.35
600	1156	25.73	↓	↓	6.87	0.8433	-127	0.05	93.56	19.31
1200	1158	25.73	↓	↓	6.86	0.8435	-127	0.05	143.1	19.28
1800	1200	↓	↓	↓	6.87	0.8431	-127	0.04	207.0	19.35
2400	1202		↓	↓	6.87	0.8390	-127	0.04	88.32	19.00
3000	1204		↓	↓	6.86	0.8411	-128	0.03	171.6	19.22
3300	1206		↓	↓	6.86	0.8422	-129	0.02	56.20	19.48

E. Schumacher 1-7-16

Start Time: 1153
Stop Time: 1206

Elapsed Time (min): 13 MINS
Average Purge Rate (mL/min): 300

Water Quality Meter ID & SN: TROLL 9500 - R26431
Date Calibrated: 1-7-16

SAMPLING DATA

Sample Date: 1-7-16
Sample Method: Monsoon Pump / Low Flow
VOA Vials, No Headspace [X] Initials: ES/CW

Sample Time: 1210
Sample Flow Rate (mL/min): 300

Lab Analysis: VOC, SVOC
QA/QC Samples: EB

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3300 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. KOCH / D. HAXEL

DATE: 14 JAN. 2016 WEATHER: Sunny 58°

MONITORING WELL ID: ROST-3-MW SAMPLE ID: ROST3MW-ROX-011416

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 48.06 ft
Depth to Water (btoc): 40.30 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 37.81 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 7.76 3.98 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = 44.18 DH ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 44.18 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.3 ppm
Wellbore PID/FID Reading: 236.2 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1319	40.30	CLEAN	Slight	7.13	1.244	-70	0.91	5.656	16.82
600	1321	40.37	↓	↓	6.98	1.247	-80	0.24	6.987	17.10
1200	1323	↓	↓	↓	6.94	1.244	-87	0.11	7.096	17.35
1800	1325	↓	↓	↓	6.92	1.241	-93	0.04	6.833	17.55
2400	1327	↓	↓	↓	6.91	1.240	-97	0.01	7.748	17.61
3000	1329	↓	↓	↓	6.90	1.239	-100	-0.01	7.092	17.72

Start Time: 1319
Stop Time: 1329

Elapsed Time (min): 10
Average Purge Rate (mL/min): 300

Water Quality Meter ID & SN: TROLL 9500 -- R25194
Date Calibrated: 14 JAN 2016

SAMPLING DATA

Sample Date: 14 JAN. 2016
Sample Time: 1335
Lab Analysis: VOC, SVOC
Sample Method: Monsoon Pump / Low Flow
Sample Flow Rate (mL/min): 300
QA/QCSamples: None
VOA Vials, No Headspace ☒ Initials: D.H

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 3000 mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: B. KOCA / D. HAXEL

DATE: 15 JAN. 2016 WEATHER: Cloudy 42°

MONITORING WELL ID: ROST-4-PZ(C) SAMPLE ID: ROST4PZ(C)-ROX-011516

INITIAL DATA

Well Diameter): 2 in
Total Well Depth (btoc): 45.20 ft
Depth to Water (btoc): 40.54 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 34.95 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): 4.66 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = 42.87 ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.5 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
		STABLE: (over 3 readings)			+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
0	1034	40.54	blackish	NONE	7.10	2.009	-94	1.26	53.37	15.61
600	1036	40.92			7.04	2.014	-119	0.18	42.63	16.00
1200	1038	"			7.03	2.007	-134	0.00	35.37	16.43
1800	1040	41.00			7.02	1.991	-144	-0.06	26.94	16.85
2400	1042	40.93			7.02	1.980	-150	-0.08	20.42	16.97
3000	1044	"			7.02	1.975	-153	-0.09	15.26	17.10
3600	1046	40.90			7.02	1.972	-154	-0.09	11.30	17.16
4200	1048	"			7.02	1.971	-155	-0.08	9.642	17.13

D.H
15 JAN. 2016

Start Time: 1034 Elapsed Time (min): 14 Water Quality Meter ID & SN: TROLL 9500 -- R25194

Stop Time: 1048 Average Purge Rate (mL/min): 300 Date Calibrated: 15 JAN. 2016

SAMPLING DATA

Sample Date: 15 JAN. 2016 Sample Time: 1055 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: D.H

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

Total Purge Volume: 4200 mL

LOW FLOW GROUNDW[illegible]R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW | PROJECT NUMBER: 60477387 - 1.03.001 | FIELD PERSONNEL: Jansen / Haxel

DATE: 01/11/16 | WEATHER: 30° overcast

MONITORING WELL ID: ROST-5-PZ (PERCHED) | SAMPLE ID: N/A

INITIAL DATA

Well Diameter): 1 in
Total Well Depth (btoc): 23.20 ft
Depth to Water (btoc): DRY/NE ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 13.20 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): NA ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = NA ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = NA ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = — ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = NA ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = NA ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 8 ppm
Wellbore PID/FID Reading: ppm

PURGE DATA

Pump Type: N/A

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Well Dry, unable to sample
Jess Jansen
01/11/16

Start Time: —
Stop Time: —
Elapsed Time (min): —
Average Purge Rate (mL/min): —
Water Quality Meter ID & SN: TROLL 9500 --
Date Calibrated: —

SAMPLING DATA

Sample Date: NA
Sample Time: NA
Lab Analysis: VOC, SVOC
Sample Method: NA
Sample Flow Rate (mL/min): NA
QA/QCSamples: NA
VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

DTB = 23.00 Did not sample per SOP

Total Purge Volume: — mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: Hazel / Jansen

DATE: 01/11/16 WEATHER: 30° overcast

MONITORING WELL ID: ROST-7-PZ (PERCHED) SAMPLE ID: N/A

INITIAL DATA

Well Diameter: 1 in
Total Well Depth (btoc): 30.00 ft
Depth to Water (btoc): 21.67 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 20.00 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): ~~AA~~ 8.33 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = NA ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = NA ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever is Deeper = NA ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = NA ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = NA ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 1.4 ppm

PURGE DATA

Pump Type: NA

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Not enough well volume.
Did not sample per SOP

Susie Jansen 01/11/16

Start Time: NA
Stop Time: NA
Elapsed Time (min): NA
Average Purge Rate (mL/min): NA
Water Quality Meter ID & SN: TROLL 9500 -- NA
Date Calibrated: NA

SAMPLING DATA

Sample Date: NA
Sample Time: NA
Lab Analysis: VOC, SVOC
Sample Method: NA
Sample Flow Rate (mL/min): NA
QA/QCSamples: NA
VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

8.33ft x 0.04184/ft = 0.34gal Did not sample per SOP Total Purge Volume: NA mL

LOW FLOW GROUNDW[illegible]R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: Maxel, Jansen

DATE: 1/11/16 WEATHER: 30° overcast

MONITORING WELL ID: ROST-10-PZ (PERCHED) SAMPLE ID: N/A

INITIAL DATA

Well Diameter: 1 in 19.85
Total Well Depth (btoc): ~~20.00~~ NE ft
Depth to Water (btoc): ~~19.85~~ NE ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 10.00 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): NA ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Top of Screen + 0.5*(Screen Length) =	NA ft btoc
If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at: Depth to Water + 0.5*(Water Column Height) =	NA ft btoc
If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper =	NA ft btoc
If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) =	NA ft btoc
If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft =	NA ft btoc

Volume of Flow Through Cell: 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0 ppm
Wellbore PID/FID Reading: 0 ppm

PURGE DATA

Pump Type: _____

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
STABLE: (over 3 readings)					+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp
				Well Dry Unable to Sample Justin Jansen 01/11/16						

Start Time: NA Elapsed Time (min): NA Water Quality Meter ID & SN: TROLL 9500 -- NA

Stop Time: NA Average Purge Rate (mL/min): NA Date Calibrated: NA

SAMPLING DATA

Sample Date: NA Sample Time: NA Lab Analysis: VOC, SVOC

Sample Method: NA Sample Flow Rate (mL/min): NA QA/QCSamples: NA

VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH_ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

DTB = 19.85 Did not sample per SOP Total Purge Volume: NA mL

LOW FLOW GROUNDV R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: Haxel, Jansen

DATE: 01/11/16 WEATHER: 30° overcast

MONITORING WELL ID: ROST-21-PZ (PERCHED) SAMPLE ID: NA

INITIAL DATA

Well Diameter: 1 in
Total Well Depth (btoc): 20.00 ft
Depth to Water (btoc): 18.59 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 10.00 ft
Screen Length: 10 ft

Water Column Height (do not include LNAPL or DNAPL): ~~NA~~ 1.41 ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 59 ~~NA~~ 2 ppm
Wellbore PID/FID Reading: 0 ppm

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = NA ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = NA ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = NA ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = NA ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = NA ft btoc

PURGE DATA

Pump Type: NA

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
				Not enough well volume Did not sample per SOP Susie Jansen 01/11/16						

Start Time: NA
Stop Time: NA

Elapsed Time (min): NA
Average Purge Rate (mL/min): NA

Water Quality Meter ID & SN: TROLL 9500 -- NA
Date Calibrated: NA

SAMPLING DATA

Sample Date: NA
Sample Time: NA
Lab Analysis: VOC, SVOC
Sample Method: NA
Sample Flow Rate (mL/min): NA
QA/QC Samples: NA
VOA Vials, No Headspace ☐ Initials: NA

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (725 mL) - pH ORP (16 mL) - RDO (56 mL) - Cond (13 mL) - Turb (40 mL)

1.41ft x 0.0418 gal/ft = 0.06gal

Did not sample per SOP.

Total Purge Volume: NA mL

LOW FLOW GROUNDW R SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q16 GW PROJECT NUMBER: 60477387 - 1.03.001 FIELD PERSONNEL: C. Williams / E. Schumacher

DATE: 1-12-16 WEATHER: Sunny 21°

MONITORING WELL ID: T-12 SAMPLE ID: T12-ROX-011216

INITIAL DATA

Well Diameter): 6 in
Total Well Depth (btoc): 72.83 ft
Depth to Water (btoc): 44.13 ft
Depth to LNAPL/DNAPL (btoc): N/E ft
Depth to Top of Screen (btoc): 46.83 ft
Screen Length: 26 ft

Water Column Height (do not include LNAPL or DNAPL): 28.70 ft btoc

If Depth to Top of Screen is > Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Top of Screen + 0.5*(Screen Length) = N/A ft btoc

If Depth to Top of Screen is < Depth to Water, and Screen Length is <=10', Place Pump at:
Depth to Water + 0.5*(Water Column Height) = N/A ft btoc

If Screen Length >10', Place Pump at: 5' Below Top of Screen OR 5' Below Top of Water, Whichever Is Deeper = 51.83 ft btoc

If Screen Length >10' AND Water Column <10', Place Pump at: 0.5*(Water Column Height) = N/A ft btoc

If Screen Length and/or Water Column Height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = N/A ft btoc

Volume of Flow Through Cell : 600* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 1800 mL
Ambient PID/FID Reading: 0.1 ppm
Wellbore PID/FID Reading: 3.9 ppm

PURGE DATA

Pump Type: Monsoon Stainless Steel Submersible Pump

	STABLE: (over 3 readings)	+/- 0.2	+/-5%	+/-20 mV	+/-0.2 mg/L or +/-10%	Monitor Turb Readings (<50)	Monitor Temp

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Specific Cond. (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTUs)	Temp (°C)
0	0956	44.19	CLEAR	NONE	6.36	0.9460	-93	0.57	-5.749	17.53
800	0958	44.19	↓	↓	6.39	0.9607	-94	0.41	-13.71	18.31
1600	1000	44.19	↓	↓	6.41	0.9669	-96	0.32	35.95	18.53
2000	1001	↓	↓	↓	6.43	0.9773	-97	0.23	-13.71	18.98
2400	1002				6.44	0.9890	-99	0.21	-13.71	19.49
3200	1004				6.47	0.9947	-101	0.13	-13.71	19.69

1-12-16

Start Time: 0956 Elapsed Time (min): 9 MINS Water Quality Meter ID & SN: TROLL 9500 - R26431

Stop Time: 1005 Average Purge Rate (mL/min): 400 Date Calibrated: 1-12-16

SAMPLING DATA

Sample Date: 1-12-16 Sample Time: 1010 Lab Analysis: VOC, SVOC

Sample Method: Monsoon Pump / Low Flow Sample Flow Rate (mL/min): 400 QA/QCSamples: NONE

VOA Vials, No Headspace [X] Initials: ES/LW

COMMENTS:

Total Purge Volume: 3200 mL